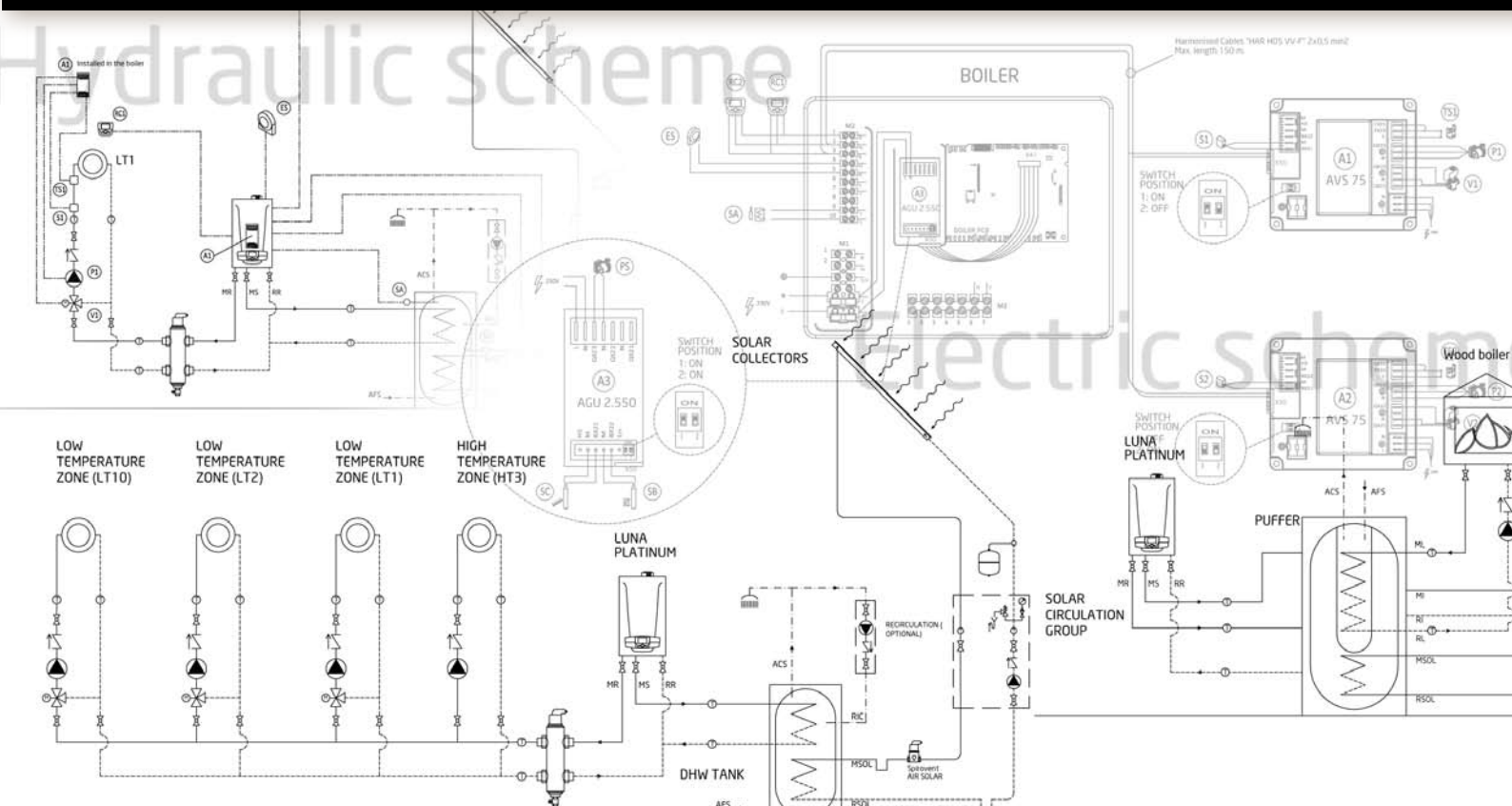


Luna Platinum+ GA - Installation schemes



March 2015

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Installation schemes

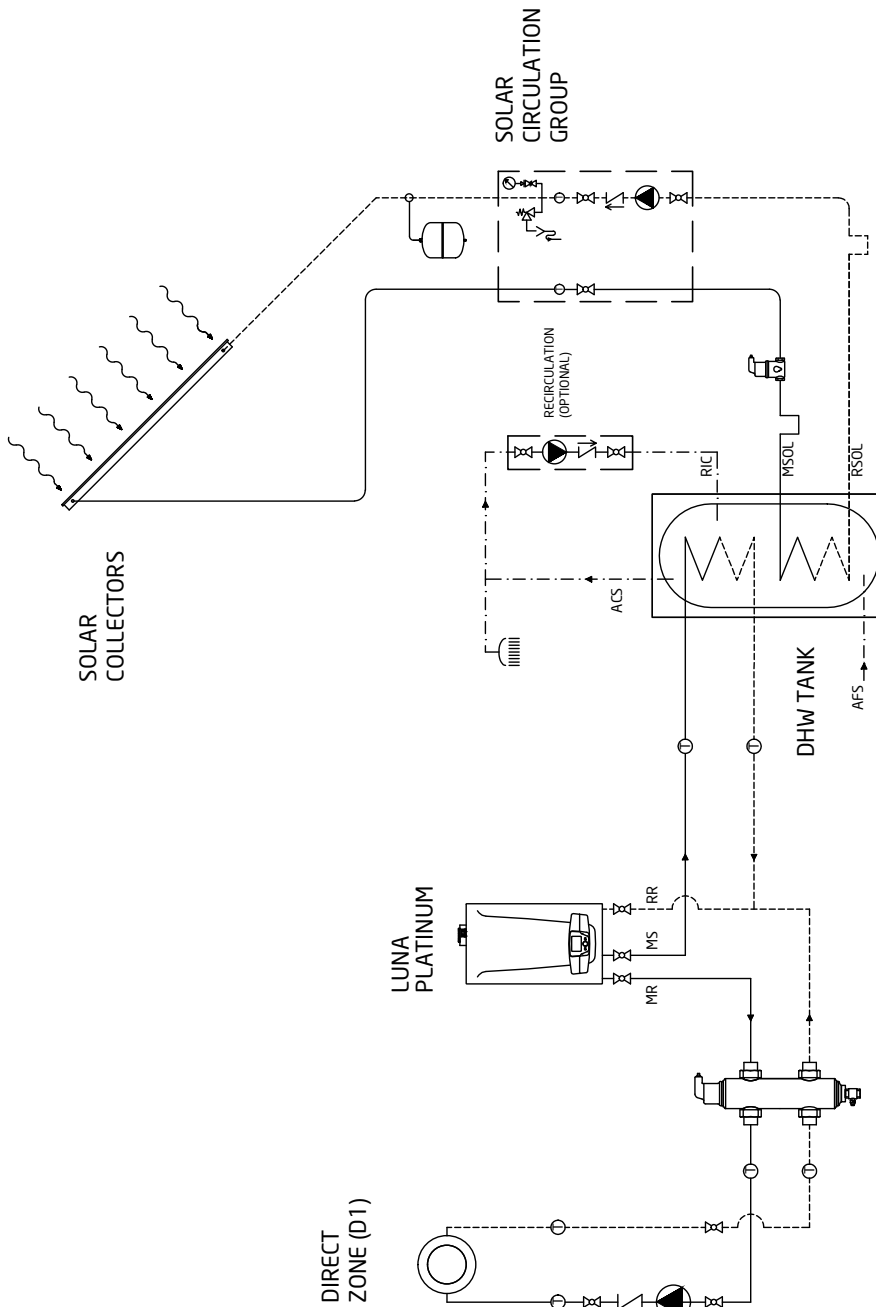
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Installation schemes

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Installation scheme

Hydraulic scheme

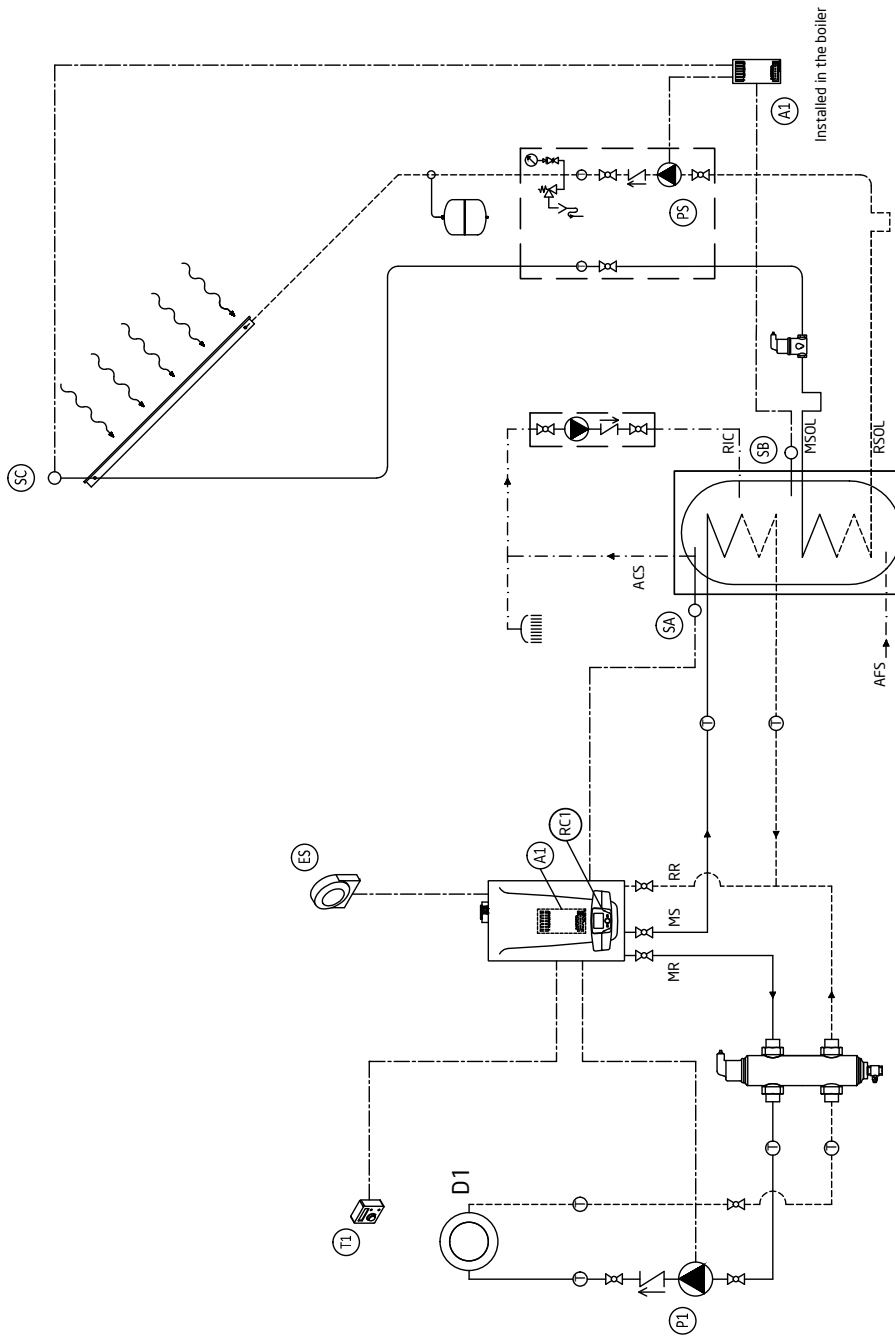


MR	HEATING FLOW
MS	DHW FLOW
RR	HEATING RETURN
ACS	DOMESTIC HOT WATER
RIC	RECIRCULATION
AFS	DOMESTIC COLD WATER (input according regulations)
MSOL	SOLAR FLOW
RSOL	SOLAR RETURN

Luna Platinum+ GA - 1 Direct Zone (D1) - DHW tank and solar integration

Installation scheme

Electric scheme for control and regulation



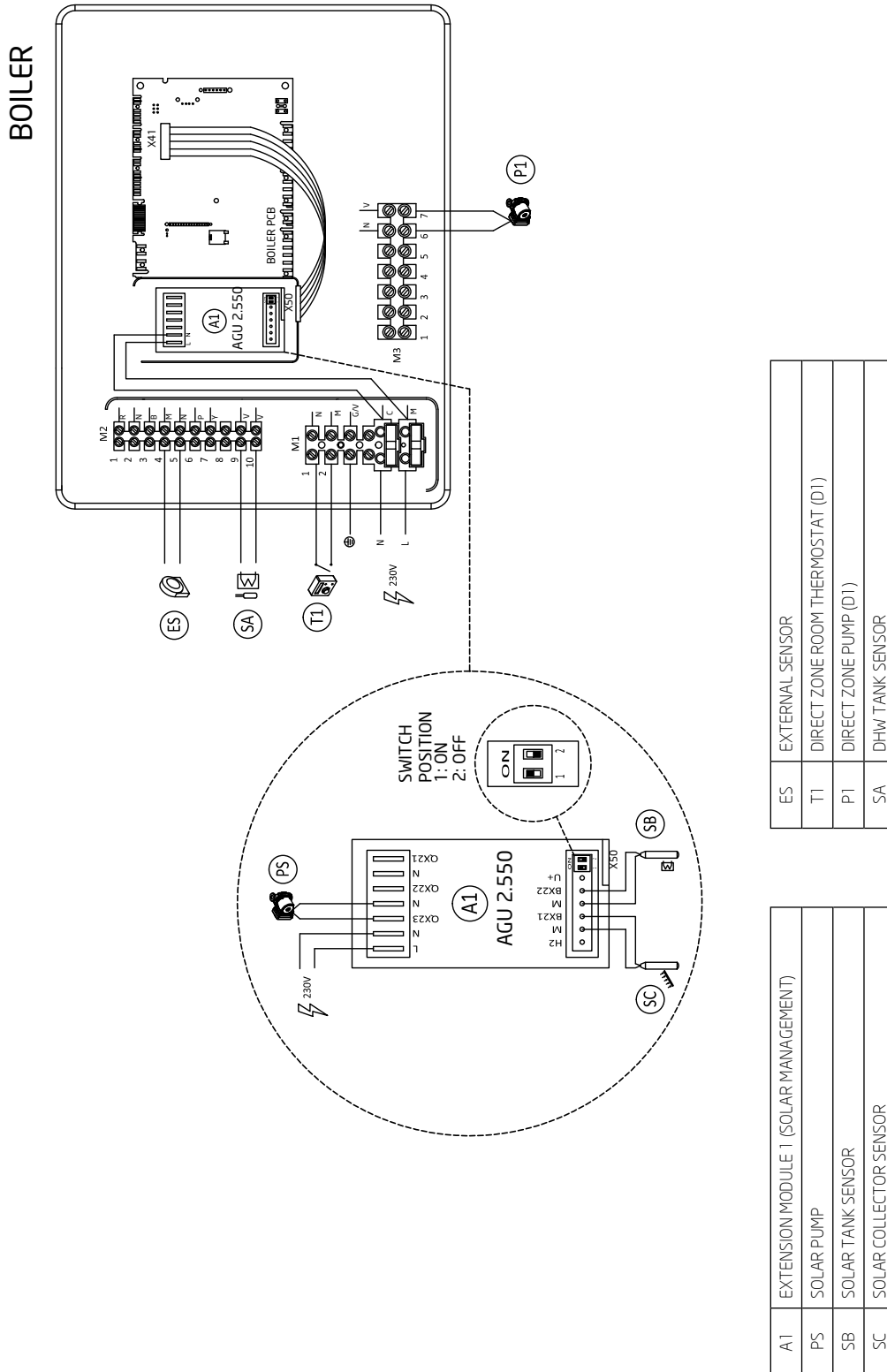
ES	EXTERNAL SENSOR
TI	DIRECT ZONE ROOM THERMOSTAT (D1)
P1	DIRECT ZONE PUMP (D1)
SA	DHW TANK SENSOR

A1	EXTENSION MODULE 1 (SOLAR MANAGEMENT)
PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR
RC1	CONTROL UNIT 1

Luna Platinum+ GA - 1 Direct Zone (D1) - DHW tank and solar integration

Installation scheme

Electric scheme - connection



Luna Platinum+ GA - 1 Direct Zone (D1) - DHW tank and solar integration

Installation scheme

Configuration

Luna Platinum+ GA/ N°1 Direct Zone (D1) / DHW tank / solar integration

Accessories

- N°1 AGU 2.550 for solar management
- N°1 EXTERNAL SENSOR - QAC34 (7104873)
- N°2 NTC SENSORS for TANK (KHG 71407681)
- N°1 Pt1000 SENSOR for SOLAR COLLECTOR (LNC71000004)

Connections (for details refer to the manuals)

- Connect to the boiler the following components:

D1 zone room thermostat (T1)	Terminals 1-2 of terminal board M1
DHW upper sensor (SA)	Terminals 9-10 of terminal board M2
External sensor (ES)	Terminals 4-5 of terminal board M2
D1 zone pump (P1)	Terminals 6-7 of terminal board M3

- Connect the components of the solar system to the **AGU 2.550** module-A1 (Paragraph 4.1.1 manual **AGU 2.550** for management of mixed and solar plants):

Solar pump (PS)	QX23 – N
DHW lower sensor (SB)	BX22 – M
Solar collector sensor (SC)	BX21 – M

Parameters Setting

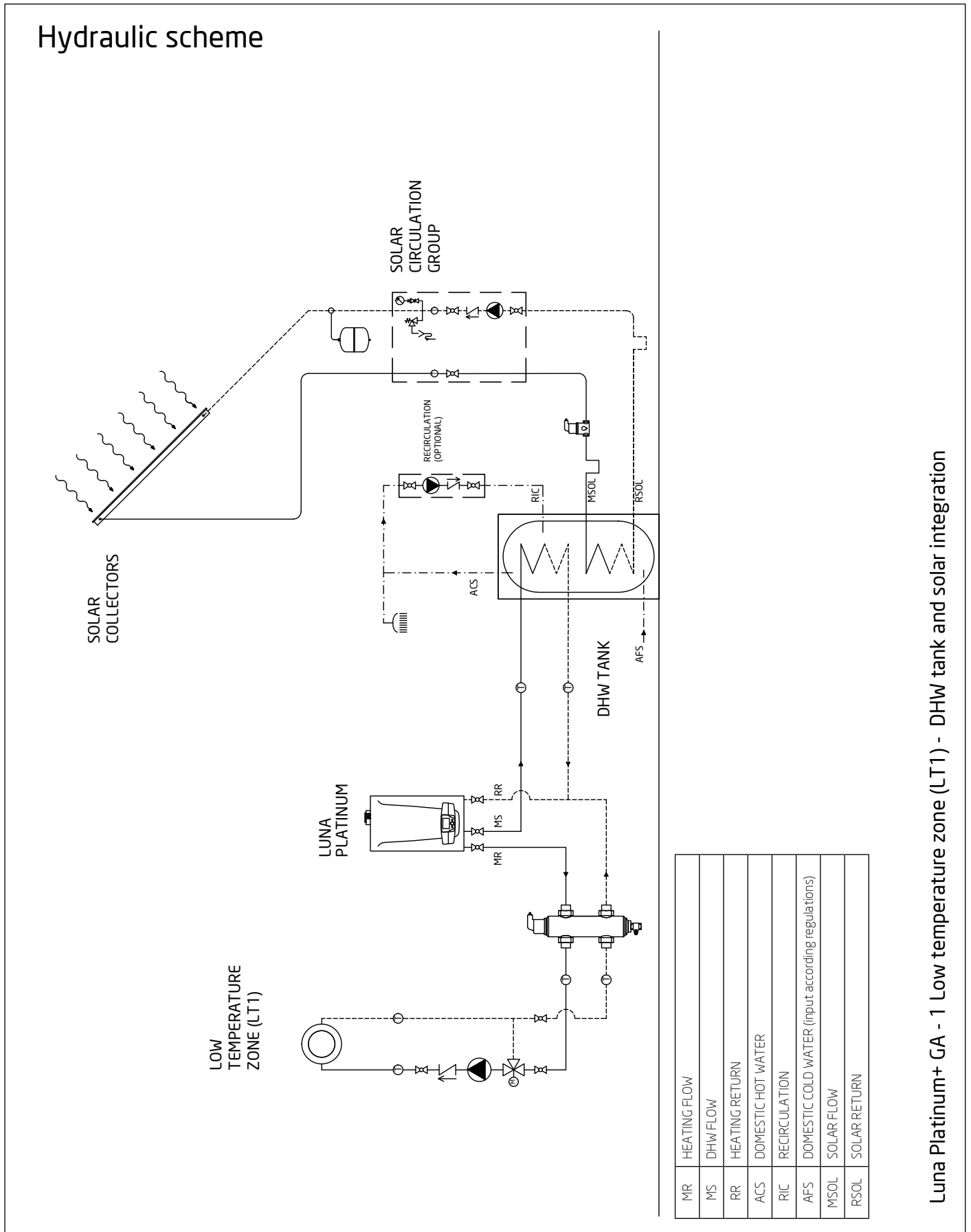
Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Control Unit 1	Think remote control (QAA 75-RC1) set as boiler panel
Control Unit	42	All the heating circuits	Assignment of heating circuits
Configuration	5710	ON	Enable heating circuit 1
Configuration	5715	OFF	Disable heating circuit 2
Configuration	5721	OFF	Disable heating circuit 3
Configuration	5890	Heating Circuit Pump 1 Q2	Enable D1 zone pump on terminals 6-7 of M3
Configuration	5977	Room Thermostat HC 1	Enable D1 zone room thermostat on terminal board M1 (1-2)
Configuration	6020	DHW Solar	Enable extension module 1 (AGU 2.550-A1) for solar management
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings

Set the parameters for the **Heating Circuit 1** (parameters from 710 to 900), according to requirements.
In particular consider the following parameters:

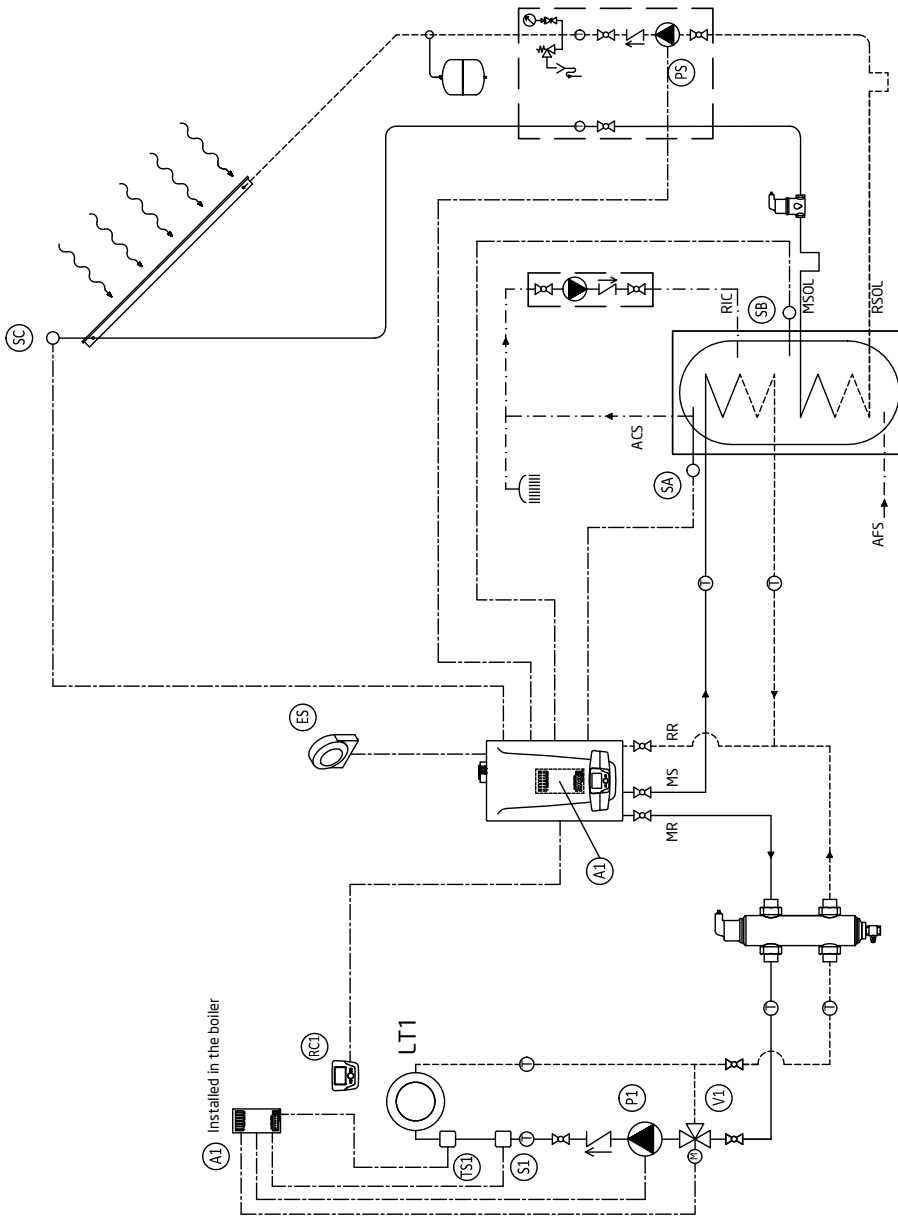
MENU	PARAMETER	VALUE	DESCRIPTION
Heating Circuit 1	720	Your choice (0,8- 1 for Low Temp.) (1,5-1,8 for High Temp.)	Climatic curve
Heating Circuit 1	740	Your choice (20°-25°C for Low Temp.) (45°C for High Temp.)	Min. flow value
Heating Circuit 1	741	Your choice (35°-45°C for Low Temp.) (55°-60°C for High Temp.)	Max. flow value
Heating Circuit 1	742	Same of 741	Modulating flow

Installation scheme



Installation scheme

Electric scheme for control and regulation



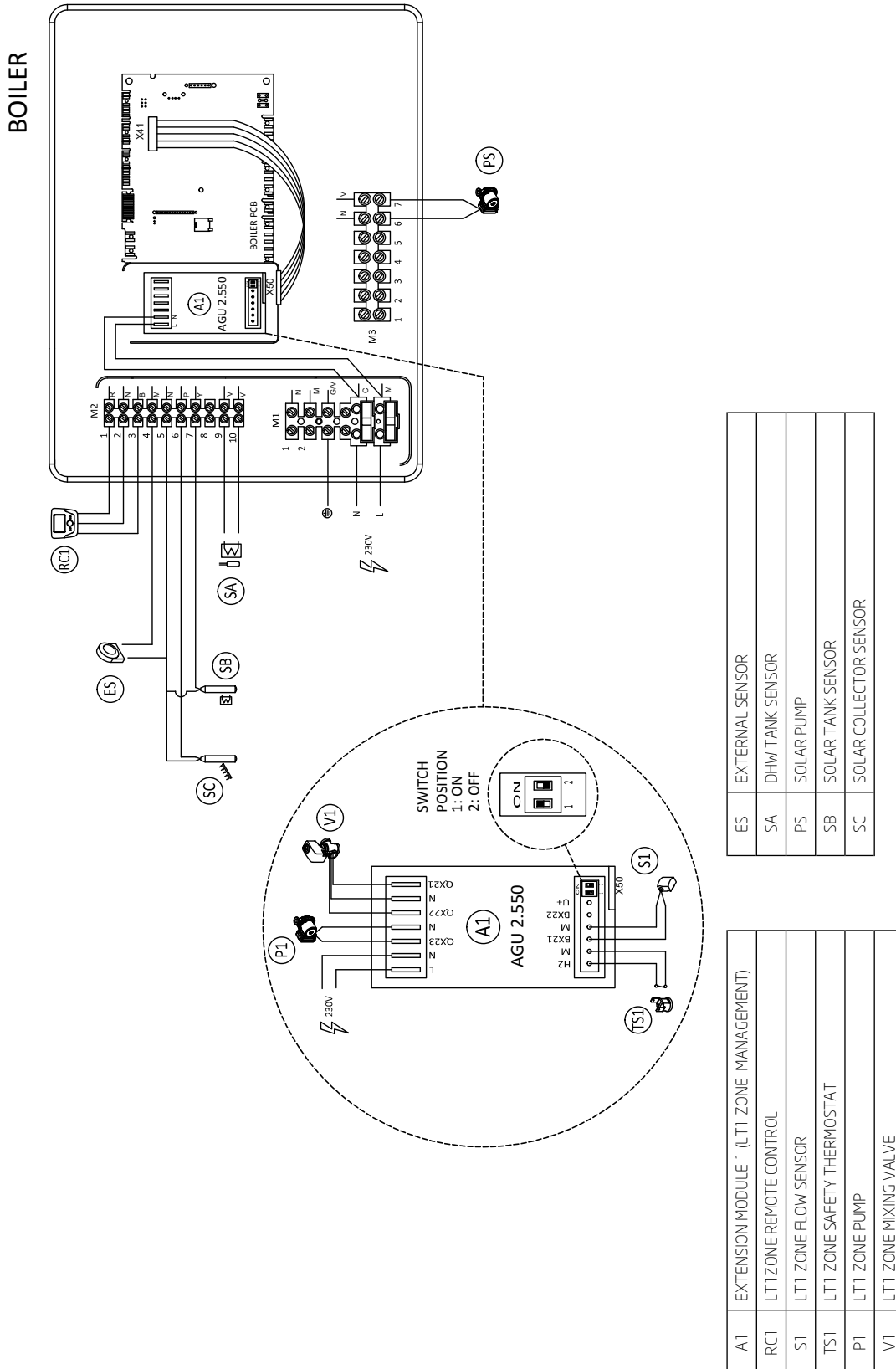
ES	EXTERNAL SENSOR
SA	DHW TANK SENSOR
PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR

A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 ZONE REMOTE CONTROL
S1	LT1 ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
PI	LT1 ZONE PUMP
VI	LT1 ZONE MIXING VALVE

Luna Platinum+ GA - 1 Low temperature zone (LT1) - DHW tank and solar integration

Installation scheme

Electric scheme - connection



Luna Platinum+ GA - 1 Low temperature zone (LT1) - DHW tank and solar integration

Installation scheme

Configuration

Luna Platinum+ GA / N°1 Low temperature zone (LT1) / DHW tank / solar integration

Accessories

- N°1 AGU 2.550 for low temperature zone (LT1) management
- N°1 EXTERNAL SENSOR - QAC34 (7104873)
- N°2 DHW SENSORS for TANK (KHG 71407681)
- N°1 Pt1000 SENSOR for SOLAR COLLECTOR (LNC71000004)

Connections (for details refer to the manuals)

- Connect to the boiler the following components:

LT1 zone Think remote control (QAA 75) (RC1)	Terminals 1-2-3 of terminal board M2
DHW lower sensor (SB)	Terminals 5-7 of terminal board M2 (common)
Collector sensor (SC)	Terminals 5-6 of terminal board M2 (common)
DHW upper sensor (SA)	Terminals 9-10 of terminal board M2
External sensor (ES)	Terminals 4-5 of terminal board M2
Solar pump (PS)	Terminals 6-7 of terminal board M3

- Connect the components of the LT1 zone to the module **AGU 2.550 (A1)** (Paragraph 4.1.1 manual AGU 2.550 for the management of mixed and solar plants):

Mixing valve (V1)	QX21 - N - QX22
LT1 zone pump (P1)	QX23 - N
LT1 zone flow sensor (S1)	BX21 - M
Safety thermostat (ST1)	H2 - M

Parameters Setting

Enter the SPECIALIST menu – (if a PASSWORD is required: 10101)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Room Unit 1	Think remote control (QAA 75-RC1) set as room sensor
Control Unit	42	All the heating circuits	Assignment of heating circuits
Configuration	5710	ON	Enable Heating Circuit 1
Configuration	5715	OFF	Disable Heating Circuit 2
Configuration	5721	OFF	Disable Heating Circuit 3
Configuration	5890	Q5 Collector Pump	Solar pump on terminals 6-7 of M3
Configuration	5931	DHW Sensor B31	DHW tank lower sensor on terminal board M2 (5-7)
Configuration	5932	B6 Collector Sensor	Solar collector sensor on terminal board M2 (5-6)
Configuration	5977	None	Disable terminal board M1 (1-2)
Configuration	6020	Heating Circuit 1	Enable extension module 1 (AGU 2.550-A1) for LT1 zone management
Configuration	6046	Safety Thermostat HC	Enable Input H2-M of the extension module 1 (AGU 2.550-A1) as safety thermostat
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings

Set the parameters for the **Heating Circuit 1** (parameters from 710 to 900), according to requirements.

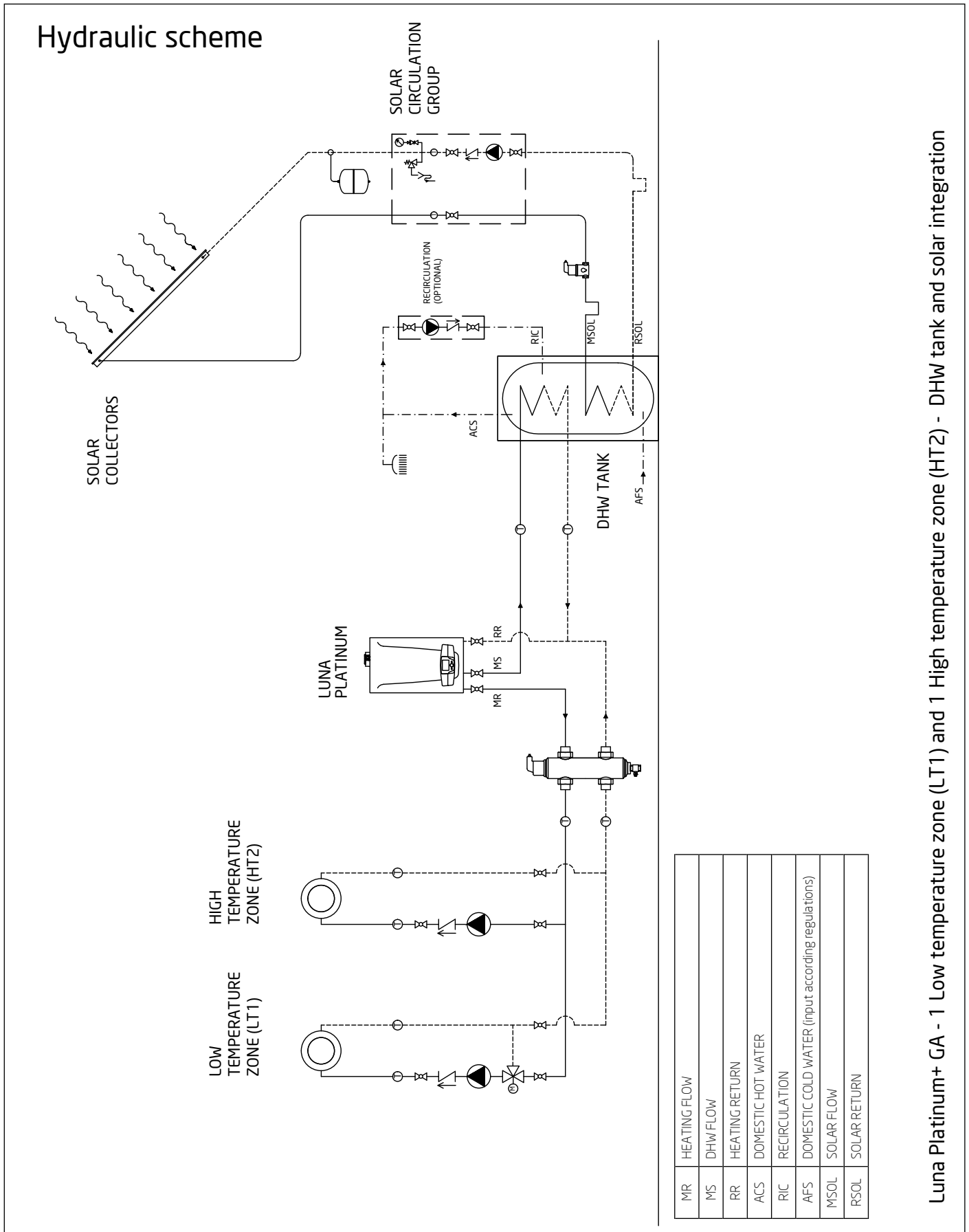
In particular consider the following parameters:

MENU	PARAMETER	VALUE	DESCRIPTION
Heating Circuit 1	720	Your choice (0,8-1)	Climatic curve
Heating Circuit 1	740	Your choice (25°C)	Min. flow value
Heating Circuit 1	741	Your choice (35-45°C)	Max. flow value
Heating Circuit 1	742	---	Modulating flow
Heating Circuit 1	750	Your choice (20-50%)	Room sensor influence

If the low temperature zone LT1 is managed with a room thermostat, connect it to the terminals 1-2 of the M1 terminal board and, concerning the parameters described before, modify the following ones:

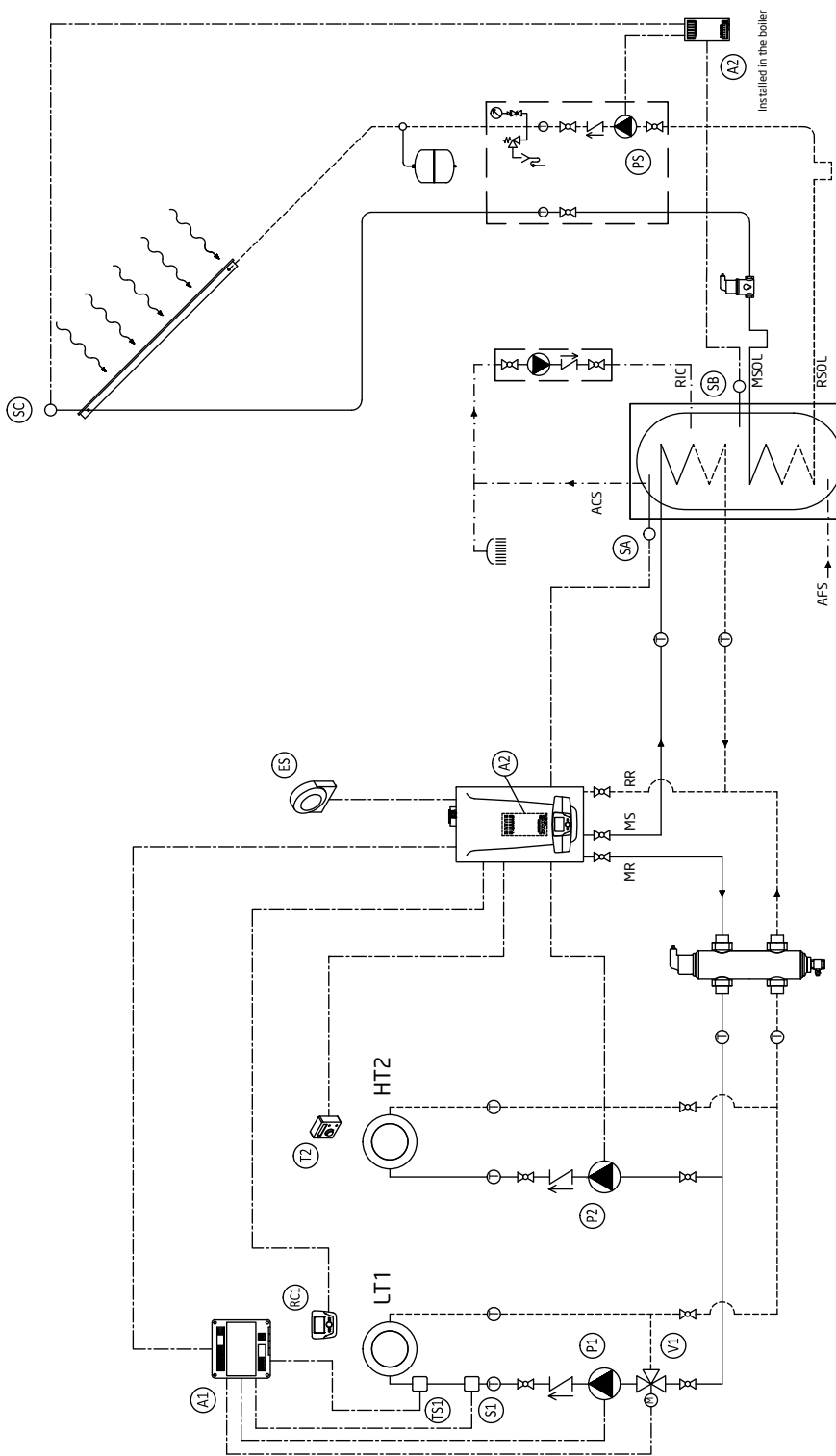
MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Control Unit 1	Think remote control (QAA 75-RC1) set as boiler panel
Control Unit	42	All the heating circuits	Assignment of heating circuits
Heating Circuit 1	742	Same of 741	Maximum flow value with RT
Configuration	5977	Room Thermostat HC1	Enable LT1 zone room thermostat on terminals 1-2 of the terminal board M1

Installation scheme



Installation scheme

Electric scheme for control and regulation - complete system management



ES	EXTERNAL SENSOR
T2	HT2 ZONE ROOM THERMOSTAT
P2	HT2 ZONE PUMP
SA	DHW TANK SENSOR

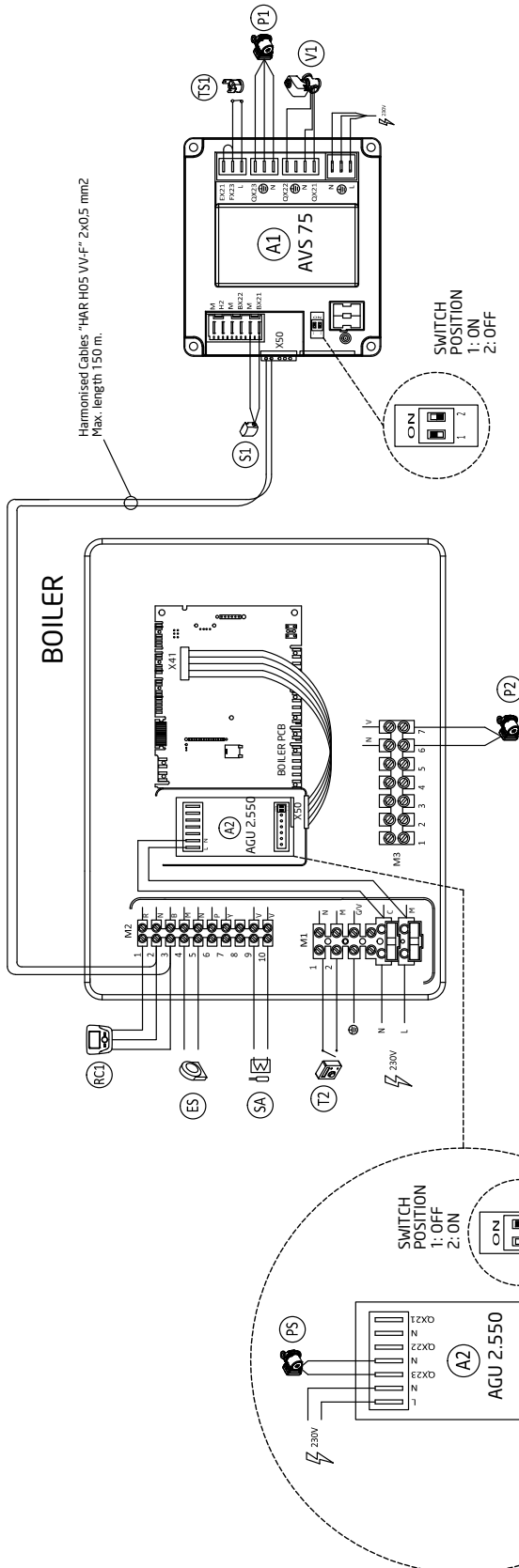
A2	EXTENSION MODULE 2 (SOLAR MANAGEMENT)
PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR

A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 ZONE REMOTE CONTROL
S1	LT1 ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
P1	LT1 ZONE PUMP
V1	LT1 ZONE MIXING VALVE

Luna Platinum+ GA - 1 Low temperature zone (LT1) and 1 High temperature zone (HT2) - DHW tank and solar integration

Installation scheme

Electric scheme - connection - complete system management



ES	EXTERNAL SENSOR
T2	HT2 ZONE ROOM THERMOSTAT
P2	HT2 ZONE PUMP
SA	DHW TANK SENSOR

A2	EXTENSION MODULE 2 (SOLAR MANAGEMENT)
PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR

A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 ZONE REMOTE CONTROL
S1	LT1 ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
P1	LT1 ZONE PUMP
V1	LT1 ZONE MIXING VALVE

Luna Platinum+ GA - 1 Low Temperature zone (LT1) and 1 High Temperature zone (HT2) - DHW tank and solar integration

Installation scheme

Configuration - complete system management

Luna Platinum+ GA / N°1 Low Temperature zone (LT1) / N°1 High Temperature zone (HT2) / DHW tank / Solar integration

Accessories

- N°1 AVS 75 for low temperature zone LT1 management
- N°1 AGU 2.550 for solar management
- N°1 EXTERNAL SENSOR - QAC34 (7104873)
- N°1 CONTACT SENSOR - QAD36 (KHG 71407891)
- N°2 DHW SENSORS for TANK (KHG 71407681)
- N°1 Pt1000 SENSOR for SOLAR COLLECTOR (LNC71000004)

Connections (for details refer to the manuals)

- Connect to the boiler the following components:

HT2 zone room thermostat (T2)	Terminals 1-2 of terminal board M1
LT1 zone Think remote control (QAA 75) (RC1)	Terminals 1-2-3 of terminal board M2
DHW Upper sensor (SA)	Terminals 9-10 of terminal board M2
External sensor (ES)	Terminals 4-5 of terminal board M2
HT2 zone pump (P2)	Terminals 6-7 of terminal board M3

- Connect the components of the mixed zone 1 to the **AVS 75** module (**A1**) (Paragraph 3.2.1 manual AVS 75 for the management of mixed zones):

Mixing valve (V1)	QX21 - N - QX22
LT1 zone pump (P1)	QX23 - N
LT1 zone flow sensor (S1)	BX21 - M
Safety thermostat (ST1)	FX23 - L (put a jumper between the terminals EX21 - FX23)

ATTENTION: if the safety thermostat is not managed by the module, insert a jumper between the terminals **FX23 - L**.

- Connect the components of the solar system to the **AGU 2.550** module (**A2**) (Paragraph 4.1.1 manual AGU 2.550 for the management of mixed and solar plants):

Solar pump (PS)	QX23 - N
DHW lower sensor (SB)	BX22 - M
Collector sensor (SC)	BX21 - M

Parameters Setting

Enter the SPECIALIST menu – (if a PASSWORD is required: 10101)

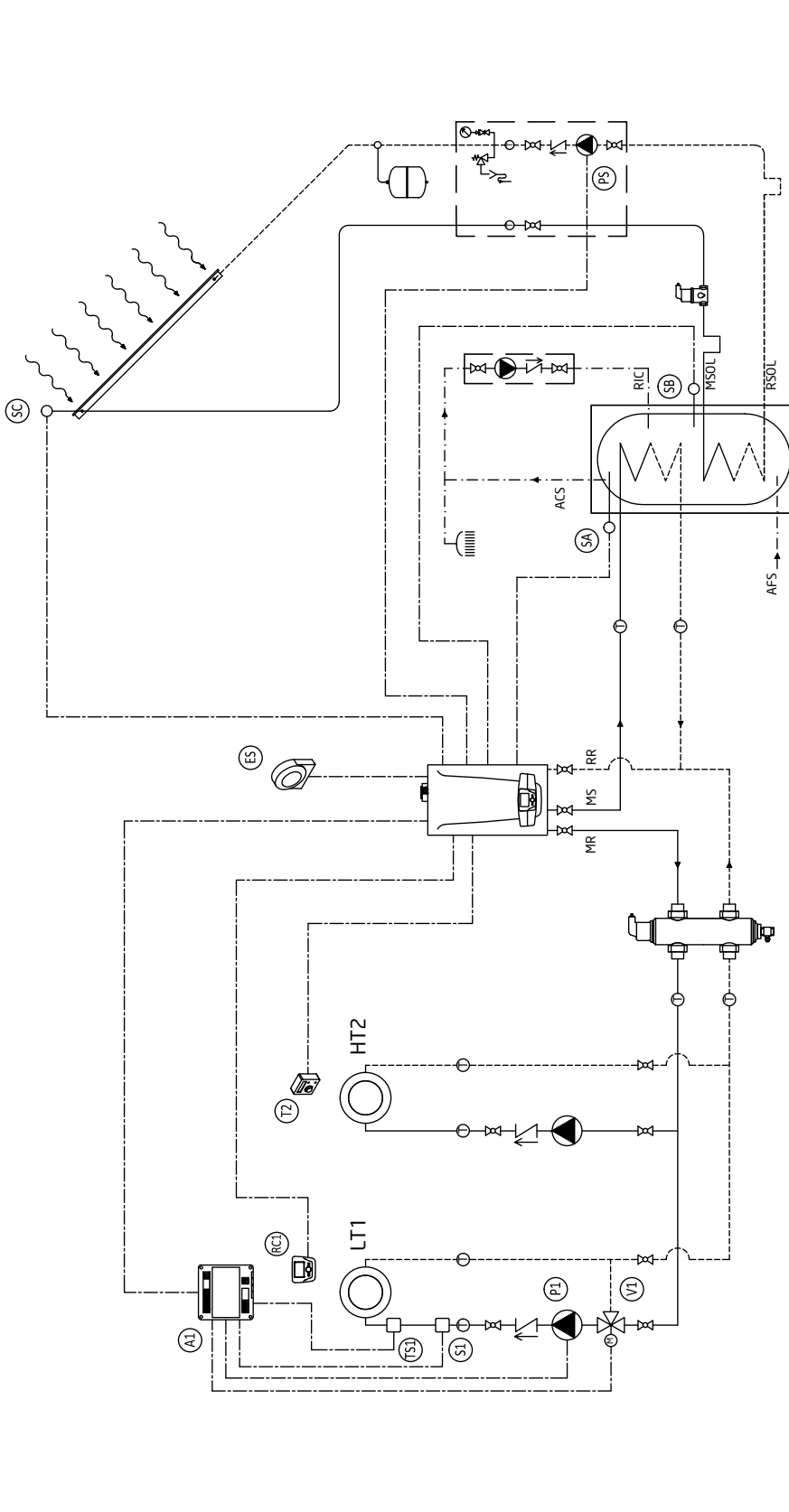
MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Room Unit 1	Think remote control (QAA 75-RC1) set as room sensor
Control Unit	42	All the heating circuits	Assignment of heating circuits
Configuration	5710	ON	Enable Heating Circuit 1 (LT1)
Configuration	5715	ON	Enable Heating Circuit 2 (HT2)
Configuration	5721	OFF	Disable Heating Circuit 3
Configuration	5890	Heating circuit pump 2 Q6	HT2 zone pump on terminal board M3 (6-7)
Configuration	5977	Room Thermostat HC 2	Enable HT2 zone room thermostat on terminal board M1 (1-2)
Configuration	6020	Heating circuit 1	Enable extension module 1 (AVS 75-A1) for LT1 zone management
Configuration	6021	DHW Solar	Enable extension module 2 (AGU 2.550-A2) for solar management
Configuration	6024	Safety Thermostat HC (if connected)	Enable input EX21 as safety thermostat
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
Heating Circuit 1	720	Your choice (0,8-1)	Climatic curve
Heating Circuit 1	740	Your choice (25°C)	Min. flow value
Heating Circuit 1	741	Your choice (35-45°C)	Max. flow value
Heating Circuit 1	742	---	Modulating flow
Heating Circuit 1	750	Your choice (20-50%)	Room sensor influence
Heating Circuit 2	1020	Your choice (1,5-1,8)	Climatic curve
Heating Circuit 2	1040	45°C	Min. flow value
Heating Circuit 2	1041	Your choice (55-60°C)	Max. flow value
Heating Circuit 2	1042	As 1041	Max. flow value with RT
Heating Circuit 2	1050	---	Delete room influence
Heating Circuit 2	1060	---	Delete shutdown differential

If the low temperature zone LT1 is managed with a simple room thermostat, connect it to the input H2-M of the AVS 75 module (A1) and modify the following parameters:

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Control Unit 1	Think remote control (QAA 75) set as boiler panel
Control Unit	42	All the heating circuits	Assignment of heating circuits
Heating Circuit 1	742	Some of 741	Max. flow value with RT
Configuration	6046	Room Thermostat HC1	Enable LT1 zone room thermostat on input H2-M of the extension module 1

Installation scheme

Electric scheme for control and regulation



ES	EXTERNAL SENSOR
T2	HT2 ZONE ROOM THERMOSTAT
SA	DHW TANK SENSOR

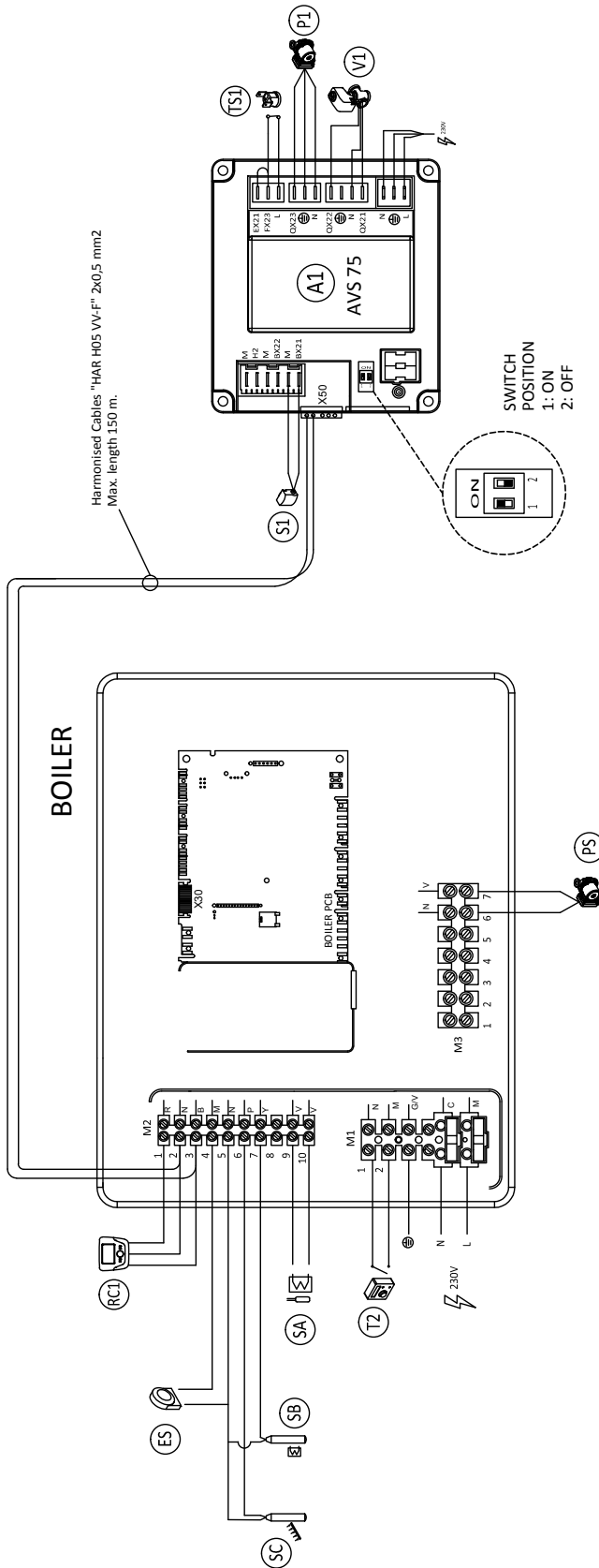
PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR

A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 REMOTE CONTROL
S1	LT1 ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
PI	LT1 ZONE PUMP
V1	LT1 ZONE MIXING VALVE

Luna Platinum+ GA - 1 Low temperature zone (LT1) and 1 High temperature zone (HT2) - DHW tank and solar integration

Installation scheme

Electric scheme - connection



ES	EXTERNAL SENSOR
T2	HT2 ZONE ROOM THERMOSTAT
SA	DHW TANK SENSOR

PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR

A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 REMOTE CONTROL
S1	LT1 ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
P1	LT1 ZONE PUMP
V1	LT1 ZONE MIXING VALVE

Luna Platinum+ GA - 1 Low temperature zone (LT1) and 1 High temperature zone (HT2) - DHW tank and solar integration

Installation scheme

Configuration

Luna Platinum+ GA / N°1 Low temperature zone (LT1) / N°1 High temperature zone (HT2) / DHW tank / Solar integration

Accessories

- N°1 AVS 75 for management of low temperature zone LT1
- N°1 EXTERNAL SENSOR - QAC34 (7104873)
- N°1 CONTACT SENSOR - QAD36 (KHG 71407891)
- N°2 DHW SENSORS for TANK (KHG 71407681)
- N°1 Pt1000 SENSOR for SOLAR COLLECTOR (LNC71000004)

Connections (for details refer to the manuals)

- Connect to the boiler the following components:

HT2 zone room thermostat (T2)	Terminals 1-2 of terminal board M1
LT1 zone Think remote control (QAA 75) (RC1)	Terminals 1-2-3 of terminal board M2
DHW lower sensor (SB)	Terminals 5-7 of terminal board M2 (common)
Collector sensor (SC)	Terminals 5-6 of terminal board M2 (common)
DHW upper sensor (SA)	Terminals 9-10 of terminal board M2
External sensor (ES)	Terminals 4-5 of terminal board M2
Solar pump (PS)	Terminals 6-7 of terminal board M3

- Connect the components of the LT1 zone to the module **AVS 75 (A1)** (Paragraph 3.2.1 manual AVS75 for the management of mixed zones):

Mixing valve (V1)	QX21 - N - QX22
LT1 zone pump (P1)	QX23 - N
LT1 zone flow sensor (S1)	BX21 - M
Safety Thermostat (TS1)	FX23 - L (put a jumper between the terminals EX21 - FX23)

ATTENTION: if the safety thermostat is not managed by the module, put a jumper between the terminals **FX23 - L**.

Parameters Setting

Enter the SPECIALIST menu – (if a PASSWORD is required: 10101)

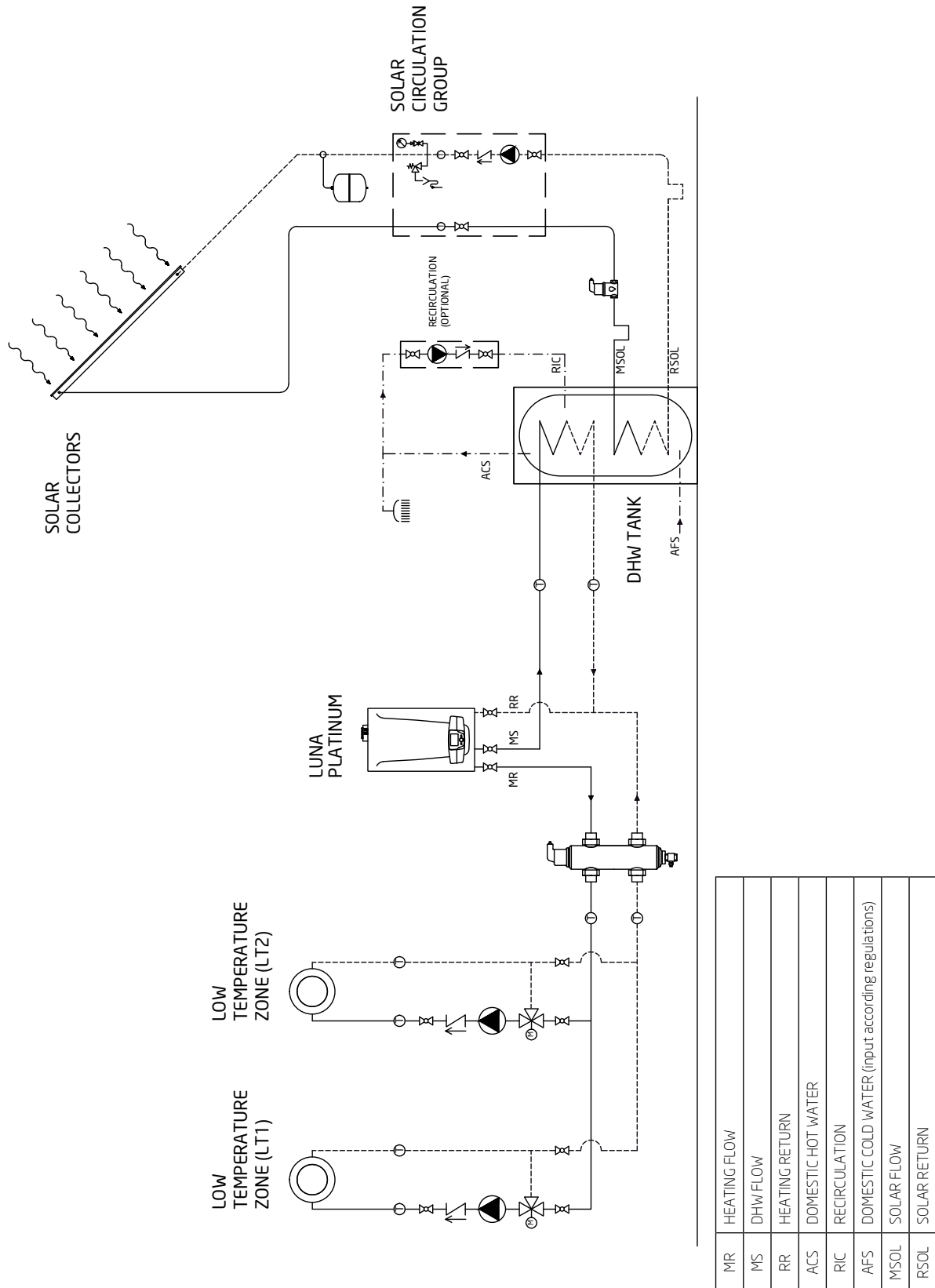
MENU	PARAMETER	VALUE	DESCRIPTION
Boiler Control	40	Room Unit 1	Think remote control (QAA 75-RC1) set as room sensor
Boiler Control	42	All the heating circuits	Assignment of Heating circuits
Configuration	5710	ON	Enable Heating Circuit 1 (LT1)
Configuration	5715	ON	Enable Heating Circuit 2 (HT2)
Configuration	5721	OFF	Disable Heating Circuit 3
Configuration	5890	Collector Pump Q5	Solar Pump on terminal board M3 (6-7)
Configuration	5931	DHW Sensor B31	DHW tank lower sensor on terminal board M2 (5-7)
Configuration	5932	Collector sensor B6	Solar collector sensor on terminal board M2 (5-6)
Configuration	5977	Room Thermostat HC 2	Enable HT2 zone room thermostat on terminal board M1 (1-2)
Configuration	6020	Heating Circuit 1	Enable extension module 1 (AVS 75-A1) for zone LT1
Configuration	6024	Safety Thermostat HC (if connected)	Enable input EX21 as safety thermostat
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
Heating circuit 1	720	Your choice (0,8-1)	Climatic curve
Heating circuit 1	740	Your choice (25°C)	Minimum flow value
Heating circuit 1	741	Your choice (35-45°C)	Maximum flow value
Heating circuit 1	742	---	Modulating flow
Heating circuit 1	750	Your choice (20-50%)	Room sensor influence
Heating circuit 2	1020	Your choice (1,5-1,8)	Climatic curve
Heating circuit 2	1040	45°C	Min. flow value
Heating circuit 2	1041	Your choice (55-60°C)	Max. flow value
Heating circuit 2	1042	As 1041	Max. flow value with RT
Heating circuit 2	1050	---	Delete room influence
Heating circuit 2	1060	---	Delete shutdown differential

If the low temperature zone LT1 is managed with a simple room thermostat, connect it to the input H2-M of the module AVS 75-A1 and, concerning the parameters described before, modify the following ones:

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Control Unit 1	Think remote control (QAA 75-RC1) set as Boiler panel
Control Unit	42	All the heating circuits	Assignment of heating circuits
Heating circuit 1	742	As 741	Maximum flow value with RT
Configuration	6046	Room Thermostat HC1	Enable LT1 zone room thermostat on input H2-M of the extension module 1 (AVS 75-A1)

Installation scheme

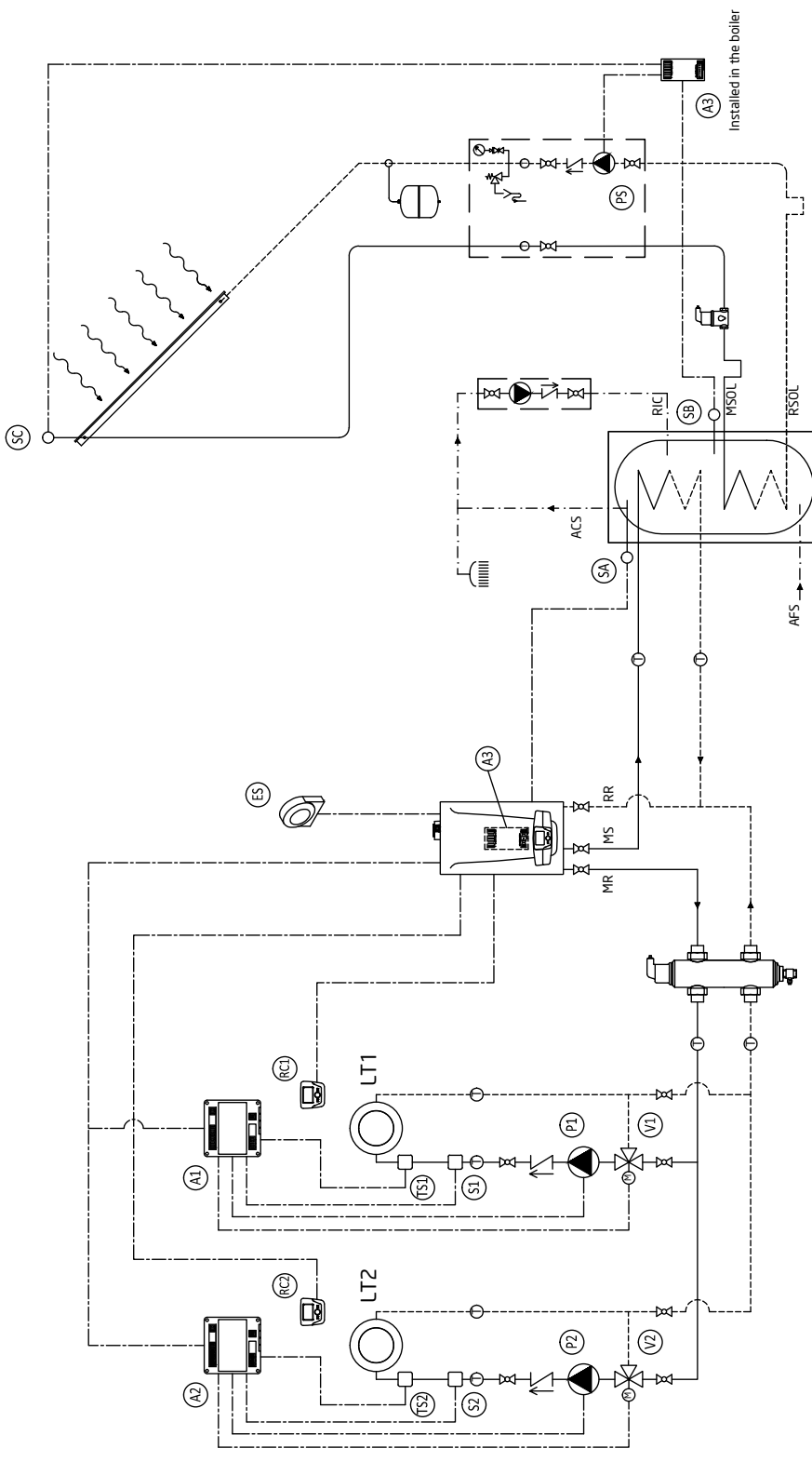
Hydraulic scheme



Luna Platinum+ GA - 2 Low temperature zones (LT1, LT2) - DHW tank and solar integration

Installation scheme

Electric scheme for control and regulation - complete system management



A3	EXTENSION MODULE 3 (SOLAR MANAGEMENT)
PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR
ES	EXTERNAL SENSOR
SA	DHW TANK SENSOR

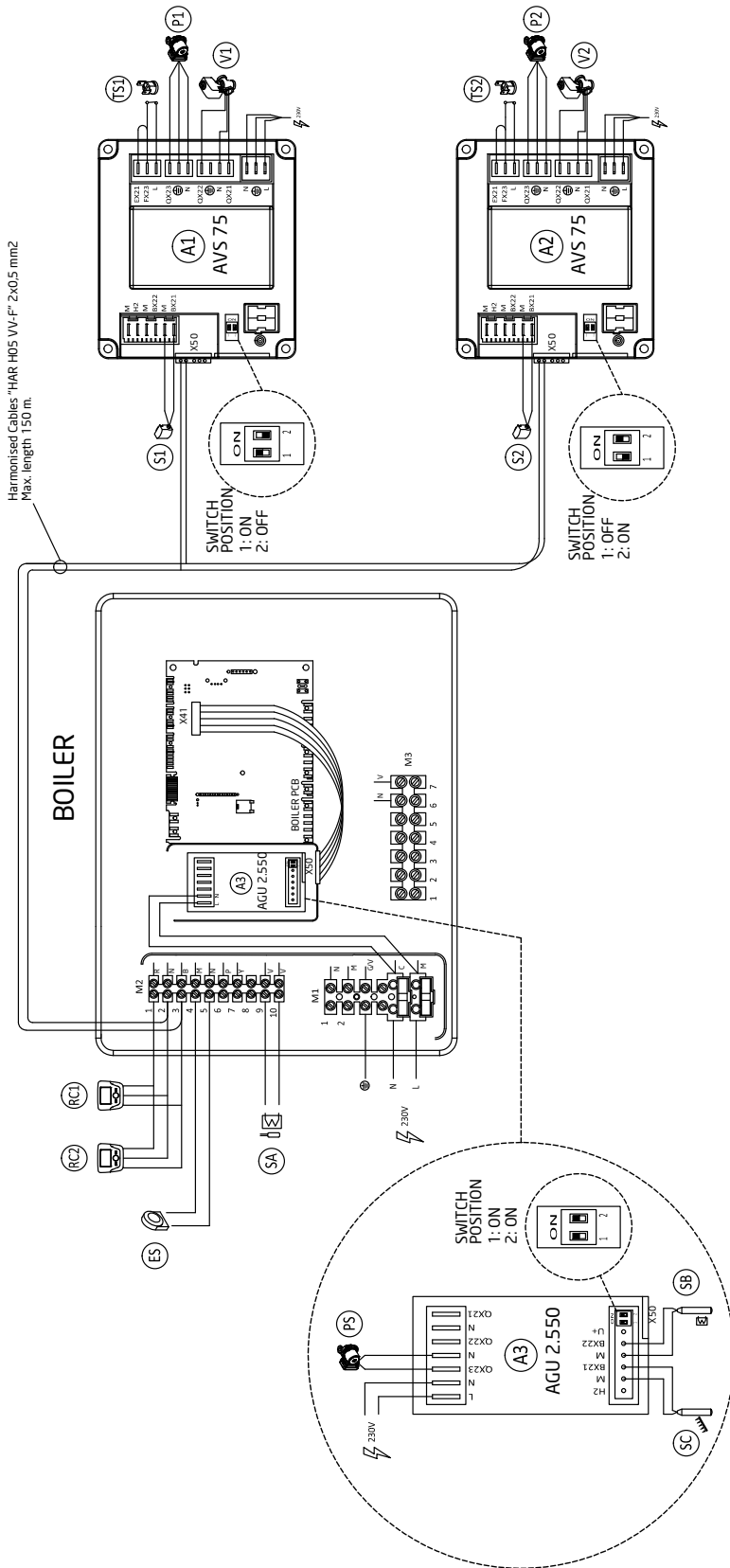
A2	EXTENSION MODULE 2 (LT2 ZONE MANAGEMENT)
RC2	LT2 ZONE REMOTE CONTROL
S2	LT2 ZONE FLOW SENSOR
TS2	LT2 ZONE SAFETY THERMOSTAT
P2	LT2 ZONE PUMP
V2	LT2 ZONE MIXING VALVE

A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 ZONE REMOTE CONTROL
S1	LT1 ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
P1	LT1 ZONE PUMP
V1	LT1 ZONE MIXING VALVE

Luna Platinum+ GA - 2 Low temperature zones (LT1, LT2) - DHW tank and solar integration

Installation scheme

Electric scheme - connection - complete system management



A3	EXTENSION MODULE 3 (SOLAR MANAGEMENT)
PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR
ES	EXTERNAL SENSOR
SA	DHW TANK SENSOR

A2	EXTENSION MODULE 2 (LT2 ZONE MANAGEMENT)
RC2	LT2 REMOTE CONTROL
S2	LT2 ZONE FLOW SENSOR
TS2	LT2 ZONE SAFETY THERMOSTAT
P2	LT2 ZONE PUMP
V2	LT2 ZONE MIXING VALVE

A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 ZONE REMOTE CONTROL
S1	LT1 ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
P1	LT1 ZONE PUMP
V1	LT1 ZONE MIXING VALVE

Luna Platinum+ GA - 2 Low temperature zones (LT1, LT2) - DHW tank and solar integration

Installation scheme

Configuration - complete system management

Luna Platinum+ GA / N°2 low temperature zones (LT1 and LT2) / DHW Tank / Solar integration

Accessories

- N°1 AVS 75 for low temperature zone LT1 management
- N°1 AVS 75 for low temperature zone LT2 management
- N°1 AGU 2.550 for solar management
- N°1 EXTERNAL SENSOR - QAC34 (7104873)
- N°2 CONTACT SENSORS - QAD36 (KHG 71407891)
- N°2 DHW SENSORS for TANK (KHG 71407681)
- N°1 Pt1000 SENSOR for SOLAR COLLECTOR (LNC71000004)

Connections (for details refer to the manuals)

- Connect to the boiler the following components:

LT1 and LT2 zones Think remote controls (QAA 75) (RC1 and RC2)	Terminals 1-2-3 of terminal board M2
DHW upper sensor (SA)	Terminals 9-10 of terminal board M2
External sensor (ES)	Terminals 4-5 of terminal board M2

- Connect the components of the mixed zone 1 to the **AVS 75** module (**A1**) (Paragraph 3.2.1 manual AVS75 to manage mixed plants):

Mixing valve (V1)	QX21 - N - QX22
LT1 zone pump (P1)	QX23 - N
LT1 zone flow sensor (S1)	BX21 - M
Safety thermostat (TS1)	FX23 - L (put a jumper between the terminals EX21 - FX23)

ATTENTION: if the safety thermostat is not managed by the module, put a jumper between the terminals **FX23 - L**.

- Connect the components of the mixed zone 2 to the **AVS 75** module (**A2**) (Paragraph 3.2.1 manual AVS75 for the management of mixed plants):

Mixing valve (V2)	QX21 - N - QX22
LT2 zone pump (P2)	QX23 - N
LT2 zone flow sensor (S2)	BX21 - M
Safety thermostat (TS2)	FX23 - L (put a jumper between the terminals EX21 - FX23)

ATTENTION: if the safety thermostat is not managed by the module, put a jumper between the terminals **FX23 - L**.

- Connect the components of the solar system to the **AGU 2.550** module (**A3**) (Paragraph 4.1.1 AGU 2.550 for the management of solar and mixed plants):

Solar pump (PS)	QX23 - N
DHW lower sensor (SB)	BX22 - M
Collector sensor (SC)	BX21 - M

Parameters Setting

Access to the Think remote control (QAA 75-RC1) which manages the **LT1 zone**.

Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Room Unit 1	Think remote control (QAA 75-RC1) set as room sensor
Control Unit	42	Heating circuit 1	Assignment of heating circuit 1
Configuration	5710	ON	Enable Heating Circuit 1 (LT1)
Configuration	5715	ON	Enable Heating Circuit 2 (LT2)
Configuration	5721	OFF	Disable Heating Circuit 3
Configuration	5977	None	Disable of terminal board M1 (1-2)
Configuration	6020	Heating circuit 1	Enable extension module 1 (AVS 75-A1) for the management of LT1 zone
Configuration	6021	Heating circuit 2	Enable extension module 2 (AVS 75-A2) for the management of LT2 zone
Configuration	6022	Solar DHW	Enable extension module 3 (AGU 2.550-A3) for the solar management
Configuration	6024	Safety thermostat HC (if connected)	Enable input EX21 extension module 1 (AVS 75-A1) as safety thermostat
Configuration	6026	Safety thermostat HC (if connected)	Enable input EX21 extension module 2 (AVS 75-A2) as safety thermostat
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
Heating circuit 1	720	Your choice (0,8-1)	Climatic curve
Heating circuit 1	740	Your choice (25°C)	Min. flow value
Heating circuit 1	741	Your choice (35-45°C)	Max. flow value
Heating circuit 1	742	---	Modulating flow
Heating circuit 1	750	Your choice (20-50%)	Room sensor influence

Parameters Setting

Access to the Think remote control (QAA 75-RC2) which manages the **LT2 zone**.

Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Room Unit 2	Think remote control (QAA 75-RC2) set as room sensor
Control Unit	42	Heating circuit 2	Assignment of heating circuit 2
Configuration	1020	Your choice (0,8-1)	Climatic curve
Configuration	1040	Your choice (25°C)	Min. flow value
Heating circuit 2	1041	Your choice (35-45°C)	Max. flow value
Heating circuit 2	1042	---	Modulating flow
Heating circuit 2	1050	Your choice (20-50%)	Room sensor influence

If the **LT1 and LT2 zones are managed with two simple room thermostats** (instead of two Think remote controls (QAA 75-RC1 and RC2)), connect each thermostat to the input **H2-M** of the module which manages the relative zone and, concerning the parameters described before, modify the following ones:

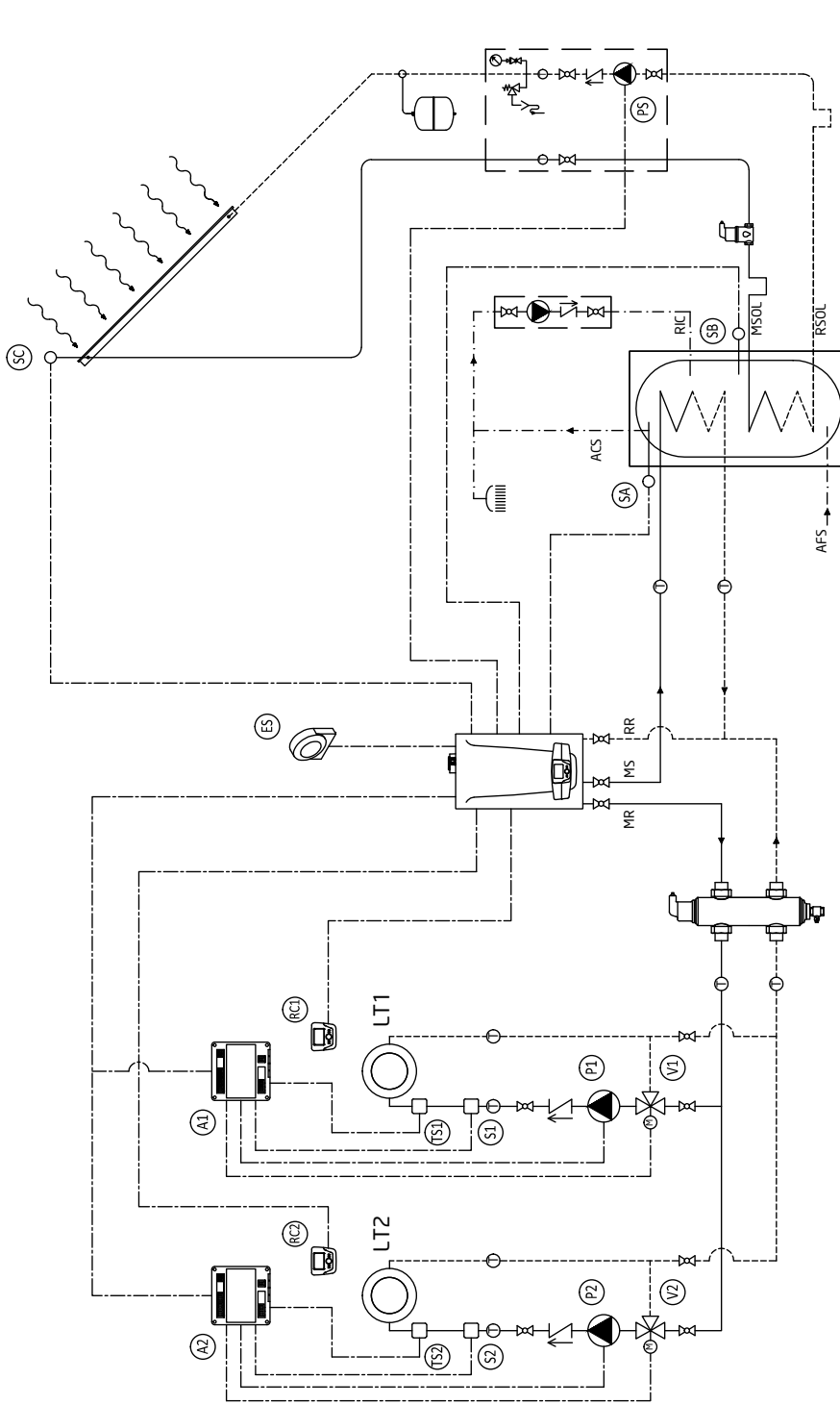
Access to the control panel of the boiler

Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Control Unit 1	Think remote control (QAA 75-RC1) set as boiler panel
Control Unit	42	All the heating circuits	Assignment of heating circuits
Heating circuit 1	742	Same of 741	Max flow value with RT
Heating circuit 2	1042	Same of 1041	Max flow value with RT
Configuration	6046	Room thermostat HC1	Enable LT1 zone room thermostat on input H2-M of the extension module 1 (AVS 75-A1)
Configuration	6054	Room thermostat HC2	Enable LT2 zone room thermostat on input H2-M of the extension module 2 (AVS 75-A2)

Installation scheme

Electric scheme for control and regulation



PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR
ES	EXTERNAL SENSOR
SA	DHW/TANK SENSOR

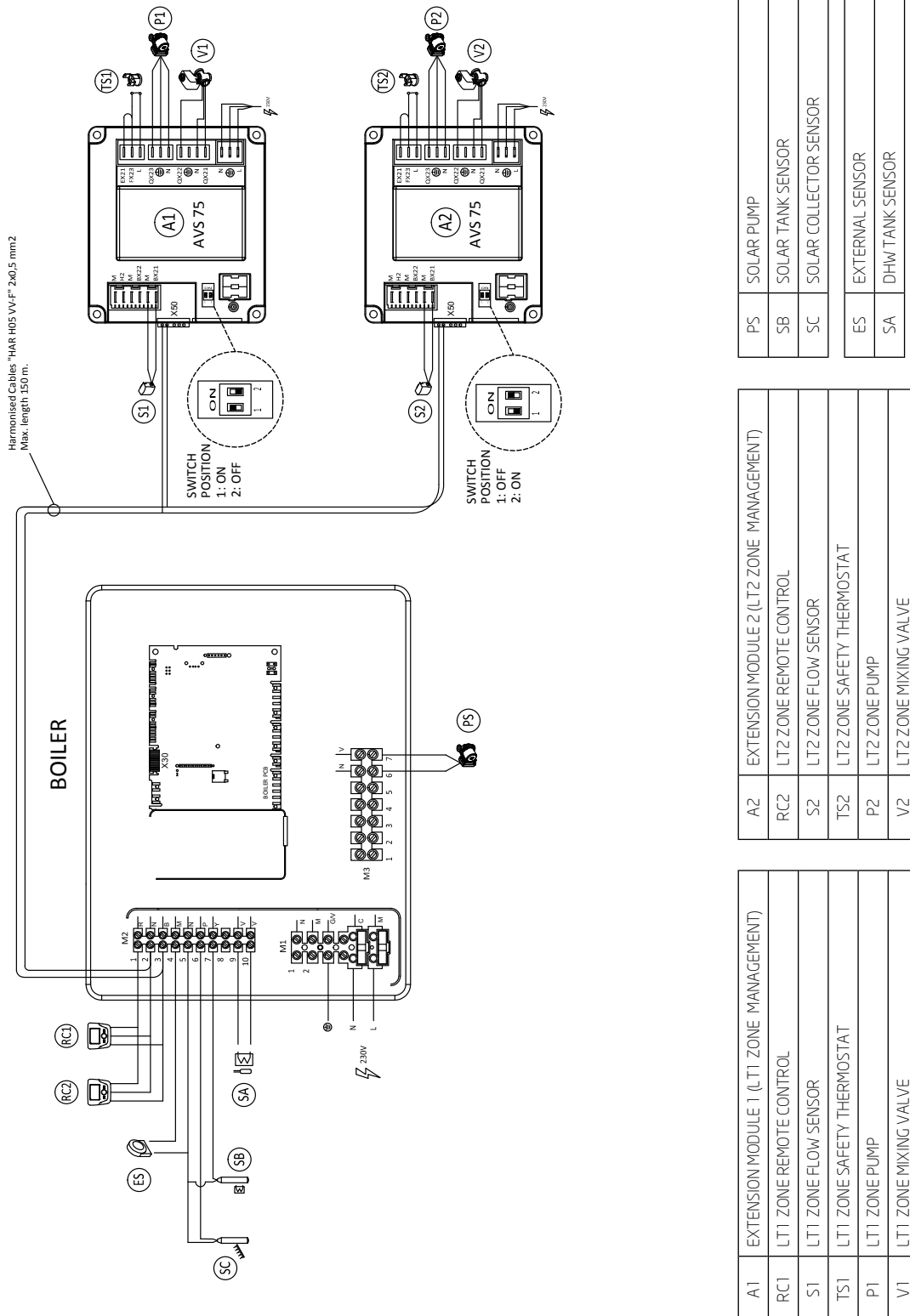
A2	EXTENSION MODULE 2 (LT2 ZONE MANAGEMENT)
RC2	LT2 ZONE REMOTE CONTROL
S2	LT2 ZONE FLOW SENSOR
TS2	LT2 ZONE SAFETY THERMOSTAT
P2	LT2 ZONE PUMP
V2	LT2 ZONE MIXING VALVE

A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 ZONE REMOTE CONTROL
S1	LT1 ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
P1	LT1 ZONE PUMP
V1	LT1 ZONE MIXING VALVE

Luna Platinum+ GA - 2 Low temperature zones (LT1, LT2) - DHW tank and solar integration

Installation scheme

Electric scheme - connection



Luna Platinum+ GA - 2 Low temperature zones (LT1, LT2) - DHW tank and solar integration

Installation scheme

Configuration

Luna Platinum+ GA / N°2 low temperature zones (LT1 and LT2) / DHW Tank / Solar integration

Accessories

- N°1 AVS 75 for low temperature zone LT1 management
- N°1 AVS 75 for low temperature zone LT2 management
- N°1 EXTERNAL SENSOR - QAC34 (7104873)
- N°2 CONTACT SENSORS - QAD36 (KHG 71407891)
- N°2 DHW SENSORS for TANK (KHG 71407681)
- N°1 Pt1000 SENSOR for SOLAR COLLECTOR (LNC71000004)

Connections (for details refer to the manuals)

- Connect to the boiler the following components:

LT1 and LT2 zones Think remote controls (QAA 75) (RC1 and RC2)	Terminals 1-2-3 of terminal board M2
DHW lower sensor (SB)	Terminals 5-7 of terminal board M2 (common)
Collector sensor (SC)	Terminals 5-6 of terminal board M2 (common)
DHW upper sensor (SA)	Terminals 9-10 of terminal board M2
External sensor (ES)	Terminals 4-5 of terminal board M2
Solar pump (PS)	Terminals of terminal board M3

- Connect the components of the mixed zone 1 to the **AVS 75** module (**A1**) (Paragraph 3.2. manual AVS 75 for the management of mixed plants):

Mixing valve (V1)	QX21 - N - QX22
LT1 zone pump (P1)	QX23 - N
LT1 zone flow sensor (S1)	BX21 - M
Safety thermostat (TS1)	FX23 - L (put a jumper between the terminals EX21 - FX23)

ATTENTION: if the safety thermostat is not managed by the module, put a jumper between the terminals **FX23 - L**.

- Connect the components of the mixed zone 2 to **AVS 75** the module (**A2**) (Paragraph 3.2.1 manual AVS 75 for the management of mixed plants):

Mixing valve (V2)	QX21 - N - QX22
LT2 zone pump (P2)	QX23 - N
LT2 zone flow sensor (S2)	BX21 - M
Safety thermostat (TS2)	FX23 - L (put a jumper between the terminals EX21 - FX23)

ATTENTION: if the safety thermostat is not managed by the module, put a jumper between the terminals **FX23 - L**.

Parameters Setting

Access to the Think remote control (QAA 75-RC1) which manages the **LT1 zone**.

Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Room Unit 1	Think remote control (QAA 75-RC1) set as room sensor
Control Unit	42	Heating circuit 1	Assignment of heating circuit 1
Configuration	5710	ON	Enable Heating Circuit 1 (LT1)
Configuration	5715	ON	Enable Heating Circuit 2 (LT2)
Configuration	5721	OFF	Disable Heating Circuit 3
Configuration	5890	Collector pump Q5	Solar pump on terminal board M3 (6-7)
Configuration	5931	DHW sensor B31	DHW tank lower sensor on terminal board M2 (5-7)
Configuration	5932	Collector sensor B6	Solar collector sensor on terminals 5-6 of M2
Configuration	5977	None	Disable terminal board M1 (1-2)
Configuration	6020	Heating circuit 1	Enable extension module 1 (AVS 75-A1) for the management of LT1 zone
Configuration	6021	Heating circuit 2	Enable Extension module 2 (AVS 75-A2) for the management of LT2 zone
Configuration	6024	Safety thermostat HC (if connected)	Enable input EX21 extension module 1 (AVS 75-A1) as safety thermostat
Configuration	6026	Safety thermostat HC (if connected)	Enable input EX21 extension module 2 (AVS 75-A2) as safety thermostat
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
Heating circuit 1	720	Your choice (0,8-1)	Climatic curve
Heating circuit 1	740	Your choice (25°C)	Min. flow value
Heating circuit 1	741	Your choice (35-45°C)	Max. flow value
Heating circuit 1	742	---	Modulating flow
Heating circuit 1	750	Your choice (20-50%)	Room sensor influence

Parameters Setting

Access to the Think remote control (QAA 75-RC2) which manages the **LT2 zone**.

Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Room Unit 2	Think remote control (QAA 75-RC2) set as room sensor
Control Unit	42	Heating circuit 2	Assignment of heating circuit 2
Heating circuit 2	1020	Your choice (0,8-1)	Climatic curve
Heating circuit 2	1040	Your choice (25°C)	Min. flow value
Heating circuit 2	1041	Your choice (35-45°C)	Max. flow value
Heating circuit 2	1042	---	Modulating flow
Heating circuit 2	1050	Your choice (20-50%)	Room sensor influence

If the **LT1 and LT2 zones are managed with two simple room thermostats** (instead of two Think remote controls (QAA 75-RC1, RC2)), connect each thermostat to the input **H2-M** of the module which manages the relative zone and, concerning the parameters described before, modify the following ones:

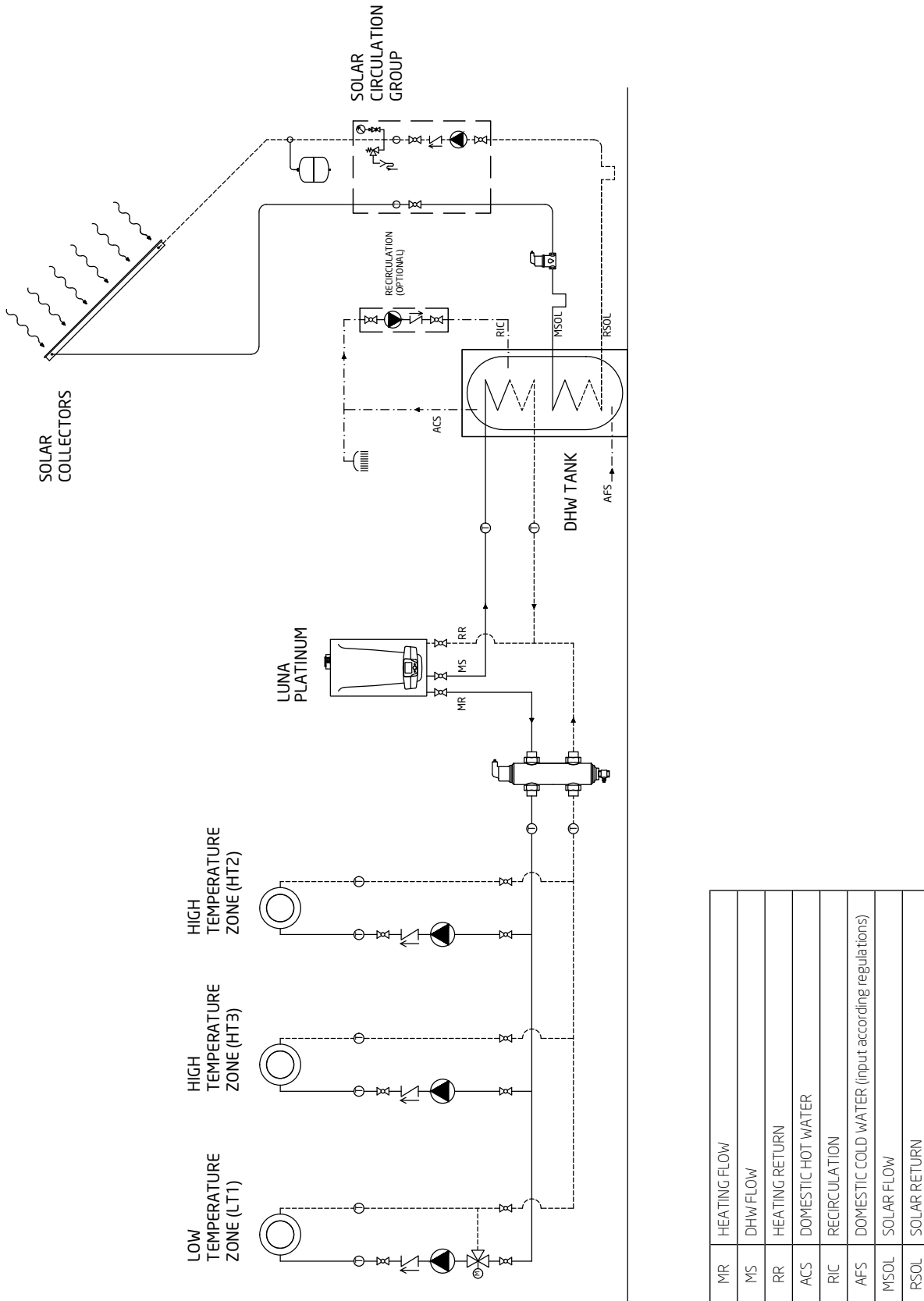
Access to the control panel of the boiler

Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Control Unit 1	Think remote control (QAA 75-RC1) set as boiler panel
Control Unit	42	All the heating circuits	Assignment of heating circuits
Heating circuit 1	742	Same of 741	Max flow value with RT
Heating circuit 2	1042	Same of 1041	Max flow value with RT
Configuration	6046	Room thermostat HC1	Enable LT1 zone room thermostat on input H2-M of the extension module 1 (AVS 75-A1)
Configuration	6054	Room thermostat HC2	Enable LT2 zone room thermostat on input H2-M of the extension module 2 (AVS 75-A2)

Installation scheme

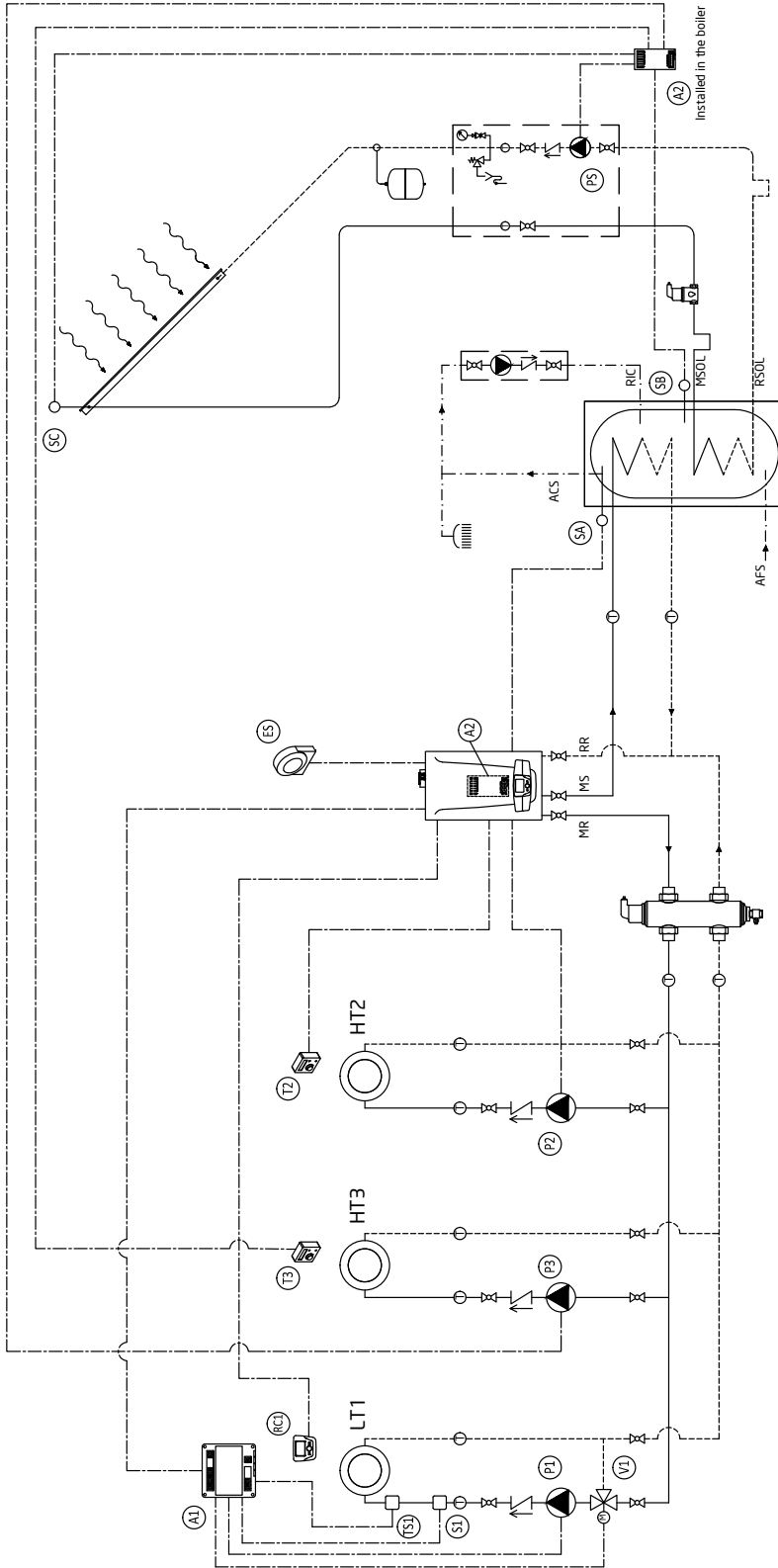
Hydraulic scheme



Luna Platinum+ GA - 1 Low temperature zone (LT1) and 2 High temperature zones (HT2, HT3) - DHW tank and solar integration

Installation scheme

Electric scheme for control and regulation - complete system management



ES	EXTERNAL SENSOR
T2	HT2 ZONE ROOM THERMOSTAT
P2	HT2 ZONE PUMP
T3	HT3 ZONE ROOM THERMOSTAT
P3	HT3 ZONE PUMP
SA	DHW TANK SENSOR

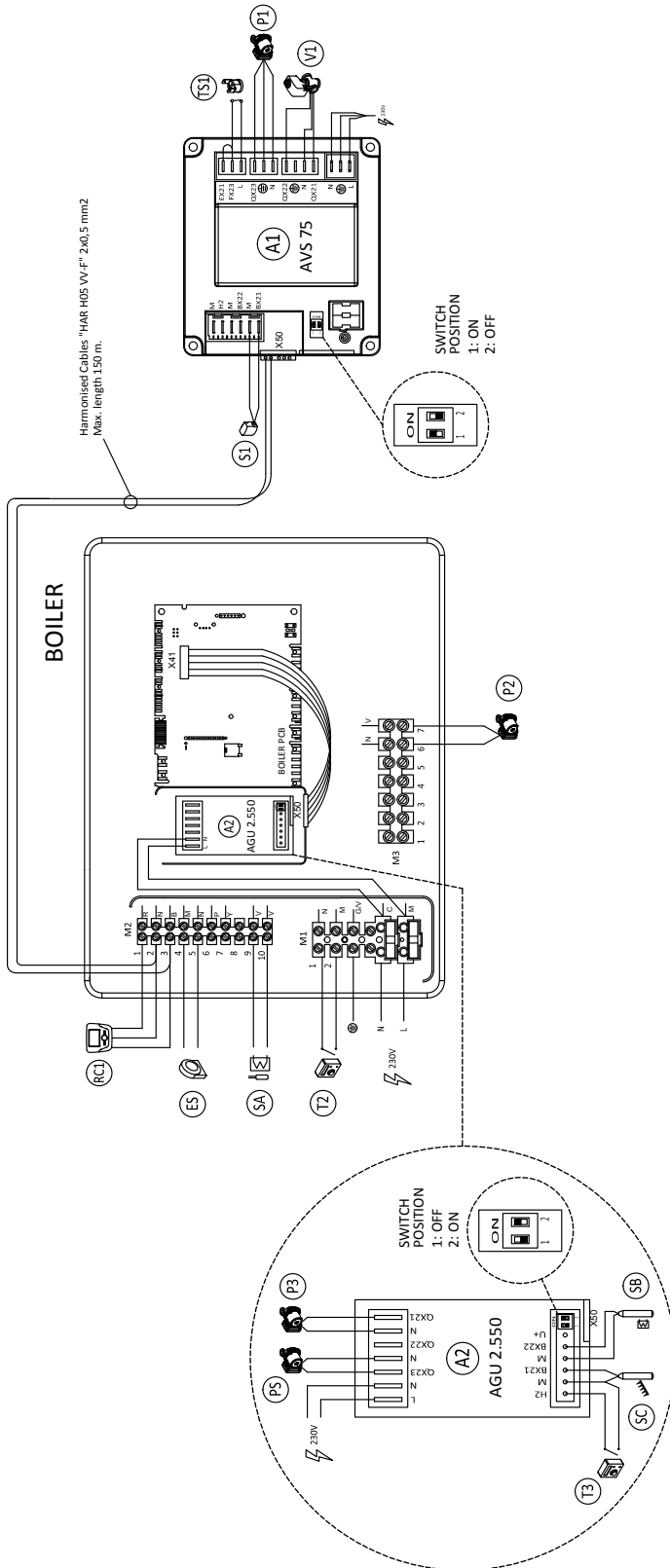
A2	EXTENSION MODULE 2 (SOLAR MANAGEMENT)
PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR

A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 ZONE REMOTE CONTROL
S1	LT1 ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
P1	LT1 ZONE PUMP
V1	LT1 ZONE MIXING VALVE

Luna Platinum+ GA - 1 Low temperature zone (LT1) and 2 High temperature zones (HT2, HT3) - DHW tank and solar integration

Installation scheme

Electric scheme - connection - complete system management



ES	EXTERNAL SENSOR
T2	HT2 ZONE ROOM THERMOSTAT
P2	HT2 ZONE PUMP
T3	HT3 ZONE ROOM THERMOSTAT
P3	HT3 ZONE PUMP
SA	DHW/TANK SENSOR

A2	EXTENSION MODULE 2 (SOLAR MANAGEMENT)
PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR

A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 ZONE REMOTE CONTROL
S1	LT1 ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
P1	LT1 ZONE PUMP
V1	LT1 ZONE MIXING VALVE

Luna Platinum+ GA - 1 Low temperature zone (LT1) and 2 High temperature zones (HT2, HT3) - DHW tank and solar integration

Installation scheme

Configuration - complete system management

Luna Platinum+ GA / N°1 low temperature zone (LT1) / N°2 high temperature zones (HT2 and HT3) / DHW Tank / Solar Integration

Accessories

- N°1 AVS 75 for low temperature zone LT1 management
- N°1 AGU 2.550 for solar management
- N°1 EXTERNAL SENSOR - QAC34 (7104873)
- N°1 CONTACT SENSOR - QAD36 (KHG 71407891)
- N°2 DHW SENSORS for TANK (KHG 71407681)
- N°1 Pt1000 SENSOR for SOLAR COLLECTOR (LNC71000004)

Connections (for details refer to the manuals)

- Connect to the boiler the following components:

HT2 zone room thermostat (T2)	Terminal 1-2 of terminal board M1
LT1 zone Think remote control (QAA 75) (RC1)	Terminals 1-2-3 of terminal board M2
DHW upper sensor (SA)	Terminals 9-10 of terminal board M2
External sensor (ES)	Terminals 4-5 of terminal board M2
HT2 zone pump (P2)	Terminals 6-7 of terminal board M3

- Connect the components of the mixed zone 1 to the **AVS 75** module (**A1**) (Paragraph 3.2.1 manual AVS 75 for the management of mixed zones):

Mixing valve (V1)	QX21 - N - QX22
LT1 zone pump (P1)	QX23 - N
LT1 zone flow sensor (S1)	BX21 - M
Safety thermostat (TS1)	FX23 - L (put a jumper between the terminals EX21 - FX23)

ATTENTION: if the safety thermostat is not managed by the module, put a jumper between the terminals **FX23 - L**.

- Connect the following components to the **AGU 2.550** module (**A2**) (Paragraph 4.1.1 manual AGU 2.550 for the management of mixed and solar plants):

Solar pump (PS)	QX23 - N
DHW lower sensor (SB)	BX22 - M
Collector sensor (SC)	BX21 - M
HT3 zone room thermostat (T3)	H2 - M
HT3 zone pump (P3)	QX21 - N

Parameters Setting

Access to the Think remote control (QAA 75-RC1) which manages the **LT1 zone**.

Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Room Unit 1	Think remote control (QAA 75-RC1) set as room sensor
Control Unit	42	All the heating circuits	Assignment of heating circuits
Configuration	5710	ON	Enable Heating Circuit 1 (LT1)
Configuration	5715	ON	Enable Heating Circuit 2 (HT2)
Configuration	5721	ON	Enable Heating Circuit 3 (HT3)
Configuration	5890	Pump Heating Circuit 2 Q6	Enable HT2 zone pump on terminal board M3 (6-7)
Configuration	5977	Room Thermostat HC2	Enable room thermostat T2 on terminal M1 (1-2)
Configuration	6020	Heating circuit 1	Enable extension module 1 (AVS 75-A1) for the management of LT1 zone
Configuration	6021	DHW Solar	Enable extension module 2 (AGU 2.550-A2) for solar management
Configuration	6024	Safety Thermostat HC (if connected)	Enable input EX21 extension module 1 (AVS 75-A1) as safety thermostat
Configuration	6033	Pump Heating Circuit 3 Q20	Enable HT3 zone pump on terminals QX21-N
Configuration	6054	Room Thermostat HC3	Enable room thermostat T3 on terminals H2-M
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
Heating Circuit 1	720	Your choice (0,8-1)	Climatic curve
Heating Circuit 1	740	Your choice (25°C)	Min. flow value
Heating Circuit 1	741	Your choice (35-45°C)	Max. flow value
Heating Circuit 1	742	---	Modulating flow
Heating Circuit 1	750	Your choice (20-50%)	Room sensor influence
Heating Circuit 2	1020	Your choice (1,5-1,8)	Climatic curve
Heating Circuit 2	1040	45°C	Min. flow value
Heating Circuit 2	1041	Your choice (55-60°C)	Max. flow value
Heating Circuit 2	1042	Same of 1041	Max. flow value with RT
Heating Circuit 2	1050	---	Delete room sensor influence
Heating Circuit 2	1060	---	Delete shutdown differential
Heating Circuit 3	1320	Your choice (1,5-1,8)	Climatic curve
Heating Circuit 3	1340	45°C	Min. flow value
Heating Circuit 3	1341	Your choice (55-60°C)	Max. flow value
Heating Circuit 3	1342	Same of 1341	Max. flow value with RT
Heating Circuit 3	1350	---	Delete room sensor influence
Heating Circuit 3	1360	---	Delete shutdown differential

If the LT1 and LT2 zones are managed with two simple room thermostats (instead of two Think remote controls (QAA 75)), connect each thermostat to the input **H2-M** of the module which manages the relative zone and, concerning the parameters described before, modify the following ones:

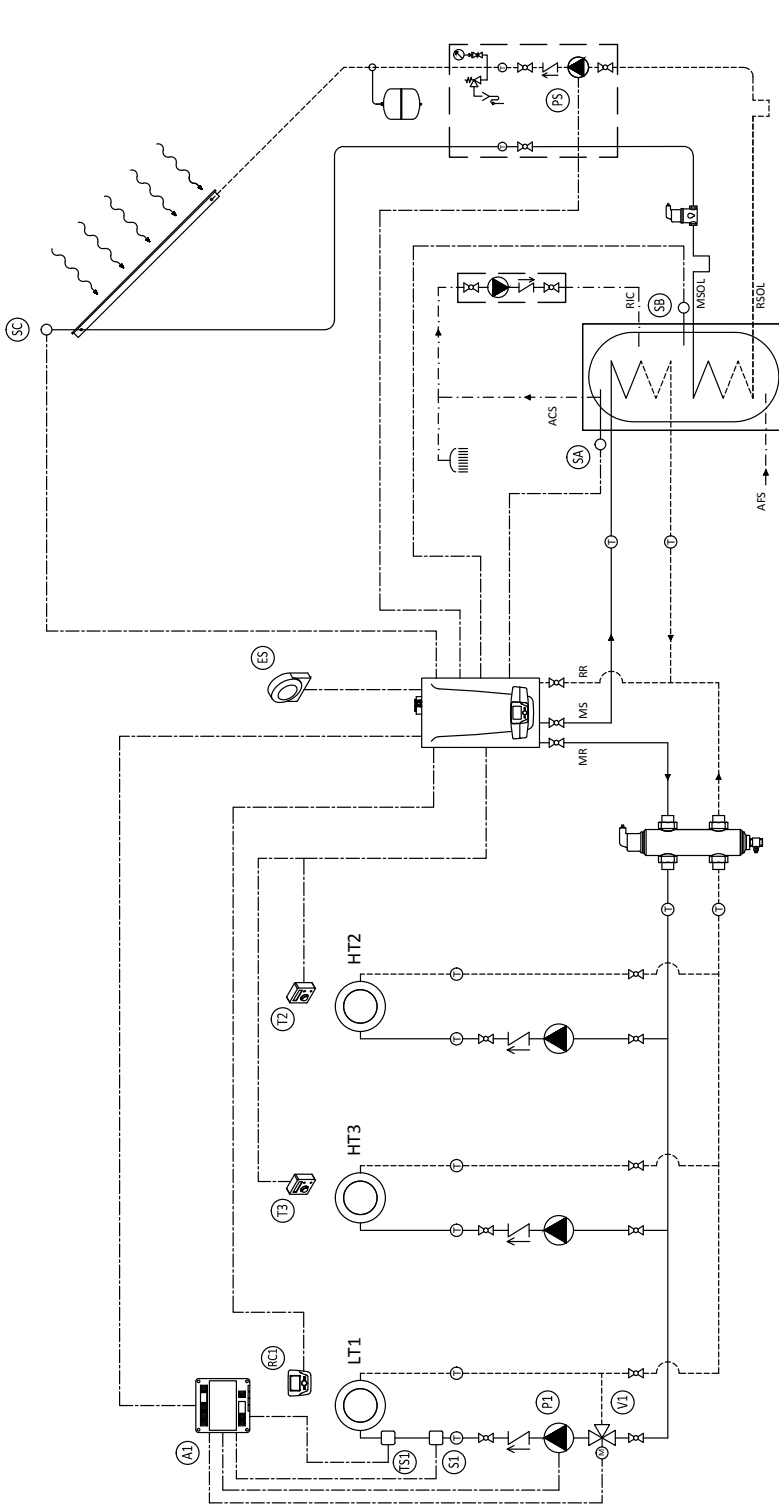
Access to the control panel of the boiler

Enter the SPECIALIST menu - (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Control Unit 1	Think remote control (QAA 75-RC1) set as boiler panel
Control Unit	42	All the heating circuits	Assignment of heating circuits
Heating Circuit 1	742	Same of 741	Maximum flow value with RT
Configuration	6046	Room Thermostat HC1	Enable LT1 zone room thermostat LT1 on input H2-M of the extension module 1 (AVS 75-A1)

Installation scheme

Electric scheme for control and regulation



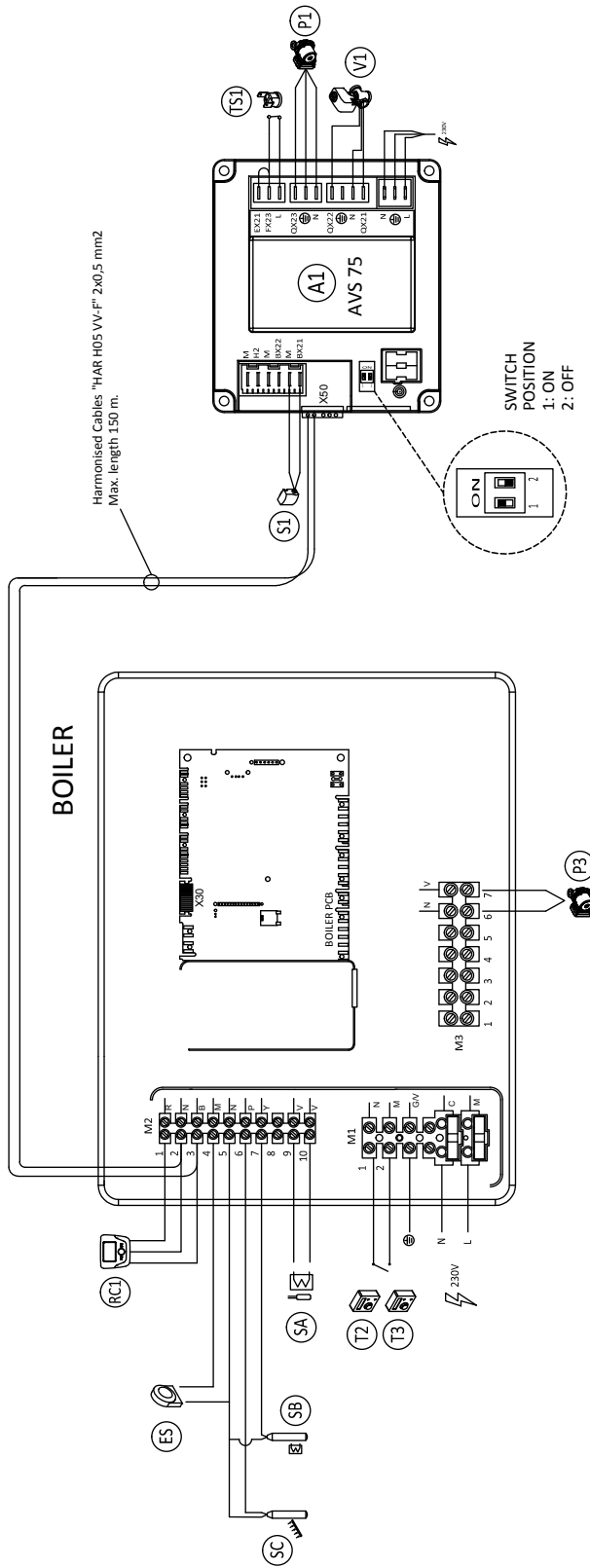
ES	OUTSIDE SENSOR
T2	HT2 ZONE ROOM THERMOSTAT
T3	HT3 ZONE ROOM THERMOSTAT
SA	DHW TANK SENSOR
PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR

A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 ZONE REMOTE CONTROL
S1	LT1 ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
PI	LT1 ZONE PUMP
V1	LT1 ZONE MIXING VALVE

Luna Platinum+ GA - 1 Low temperature zone (LT1) and 2 High temperature zones (HT2, HT3) - DHW tank and solar integration

Installation scheme

Electric scheme - connection



ES	EXTERNAL SENSOR
T2	HT2 ZONE ROOM THERMOSTAT
T3	HT3 ZONE ROOM THERMOSTAT
SA	DHW TANK SENSOR
PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR

A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 ZONE REMOTE CONTROL
S1	LT1 ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
P1	LT1 ZONE PUMP
V1	LT1 ZONE MIXING VALVE

Luna Platinum+ GA - 1 Low temperature zone (LT1) and 2 High temperature zones (HT2, HT3) - DHW tank and solar integration

Installation scheme

Configuration

Luna Platinum+ GA / N°1 low temperature zone (LT1) / N°2 high temperature zones (HT2 and HT3) / DHW Tank / Solar Integration

Accessories

- N°1 AVS 75 for low temperature zone LT1 management
- N°1 EXTERNAL SENSOR - QAC34 (7104873)
- N°1 CONTACT SENSOR - QAD36 (KHG 71407891)
- N°2 DHW SENSORS for TANK (KHG 71407681)
- N°1 Pt1000 SENSOR for SOLAR COLLECTOR (LNC71000004)

Connections (for details refer to the manuals)

- Connect to the boiler the following components:

HT2 and HT3 zones room thermostat (T2 and T3)	Terminals 1-2 of terminal board M1
LT1 zone Think remote control (QAA 75) (RC1)	Terminals 1-2-3 of terminal board M2
DHW lower sensor (SB)	Terminals 5-7 of terminal board M2 (common)
Collector sensor (SC)	Terminals 5-6 of terminal board M2 (common)
DHW upper sensor (SA)	Terminals 9-10 of terminal board M2
External sensor (ES)	Terminals 4-5 of terminal board M2
Solar pump (PS)	Terminals 6-7 of terminal board M3

- Connect the components of the mixed zone 1 to the AVS 75 module (A1) (Paragraph 3.2.1 manual AVS 75 for the management of mixed zones):

Mixing valve (V1)	QX21 - N - QX22
LT1 zone Pump (P1)	QX23 - N
LT1 zone flow sensor (S1)	BX21 - M
Safety thermostat (TS1)	FX23 - L (put a jumper between the terminals EX21 - FX23)

NB: if the safety thermostat is not managed by the module, put a jumper between the terminals **FX23 - L**.

Parameters Setting

Access to the Think remote control (QAA 75-RC1) which manages the **LT1 zone**.

Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Room Unit 1	Think remote control (QAA 75-RC1) set as Room sensor
Control Unit	42	All the heating circuits	Assignment of heating circuits
Configuration	5710	ON	Enable Heating Circuit 1 (LT1)
Configuration	5715	ON	Enable Heating Circuit 2
Configuration	5721	OFF	Disable Heating Circuit 3
Configuration	5890	Collector Pump Q5	Enable Solar pump on terminal board M3 (6-7)
Configuration	5931	DHW sensor B31	Enable DHW tank lower sensor on terminal board M2 (5-7)
Configuration	5932	Collector sensor B6	Solar collector sensor on terminal board M2 (5-6)
Configuration	5977	Room thermostat HC2	Enable room thermostat T2/T3 on terminal board M1 (1-2)
Configuration	6020	Heating circuit 1	Enable extension module 1 (AVS 75-A1) for the management of LT1 zone
Configuration	6024	Safety thermostat HC (if connected)	Enable input EX21 extension module 1 (AVS 75-A1) as safety thermostat
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
Heating circuit 1	720	Your choice (0,8-1)	Climatic curve
Heating circuit 1	740	Your choice (25°C)	Min. flow value
Heating circuit 1	741	Your choice (35-45°C)	Max. flow value
Heating circuit 1	742	---	Modulating flow
Heating circuit 1	750	Your choice (20-50%)	Room sensor influence
Heating circuit 2	1020	Your choice (1,5-1,8)	Climatic curve
Heating circuit 2	1040	45°C	Min. flow value
Heating circuit 2	1041	Your choice (55-60°C)	Max. flow value
Heating circuit 2	1042	Same of 1041	Max. flow value with RT
Heating circuit 2	1050	---	Delete room sensor influence
Heating circuit 2	1060	---	Delete shutdown differential

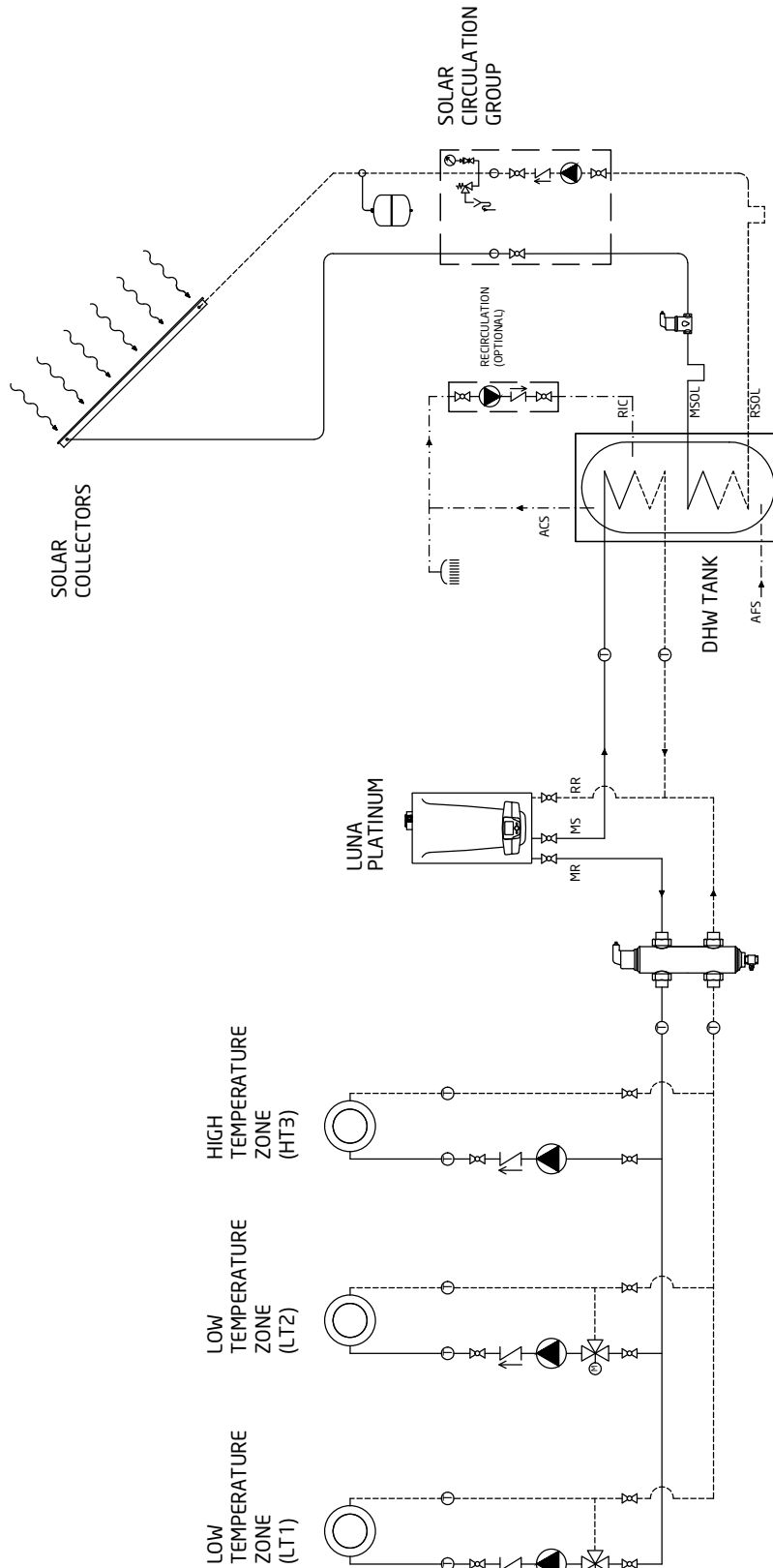
If the LT1 zone is managed simply with a room thermostat (instead of the Think remote control (QAA 75-RC1)), connect the thermostat to the input **H2-M** of the AVS 75 module (A1) and, concerning the parameters described before, modify the following ones by accessing to the control panel of the boiler.

Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Control Unit 1	Think remote control (QAA 75-RC1) set as boiler panel
Control Unit	42	All the heating circuits	Assignment of heating circuits
Heating Circuit 1	742	Same of 741	Max. flow value with RT
Configuration	6046	Room thermostat HC1	Enable LT1 zone room thermostat on input H2-M of the extension module 1 (AVS 75-A1)

Installation scheme

Hydraulic scheme

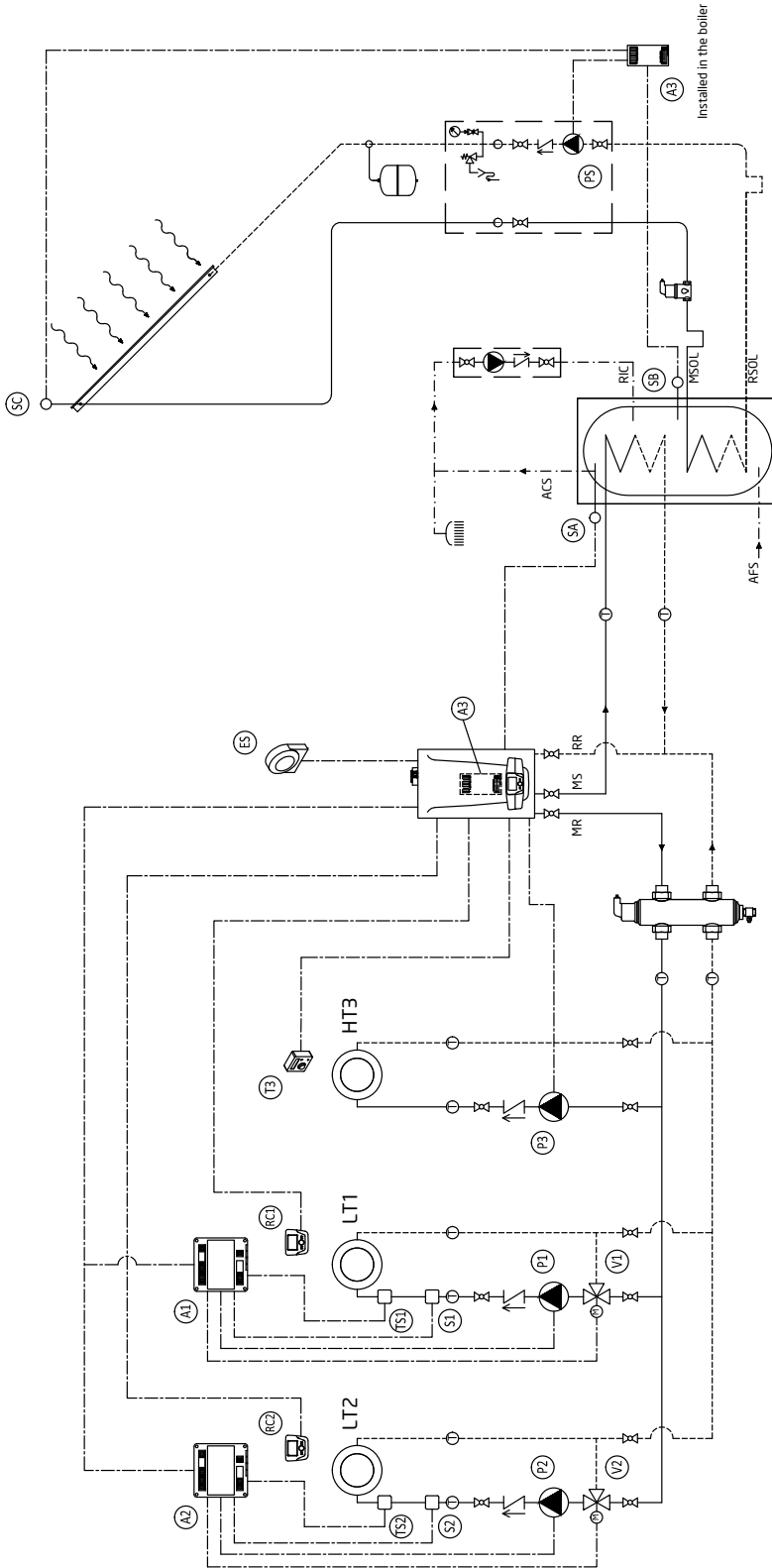


MR	HEATING FLOW
MS	DHW FLOW
RR	HEATING RETURN
ACS	DOMESTIC HOT WATER
RIC	RECIRCULATION
AFS	DOMESTIC COLD WATER (input according regulations)
MSOL	SOLAR FLOW
RSOL	SOLAR RETURN

Luna Platinum+ GA - 2 Low temperature zones (LT1, LT2) and 1 High temperature zone (HT3) - DHW tank and solar integration

Installation scheme

Electric scheme for control and regulation - complete system management



A3	EXTENSION MODULE 3 (SOLAR MANAGEMENT)
PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR
ES	EXTERNAL SENSOR
T3	HT3 ZONE ROOM THERMOSTAT
P3	HT3 ZONE PUMP
SA	DHW TANK SENSOR

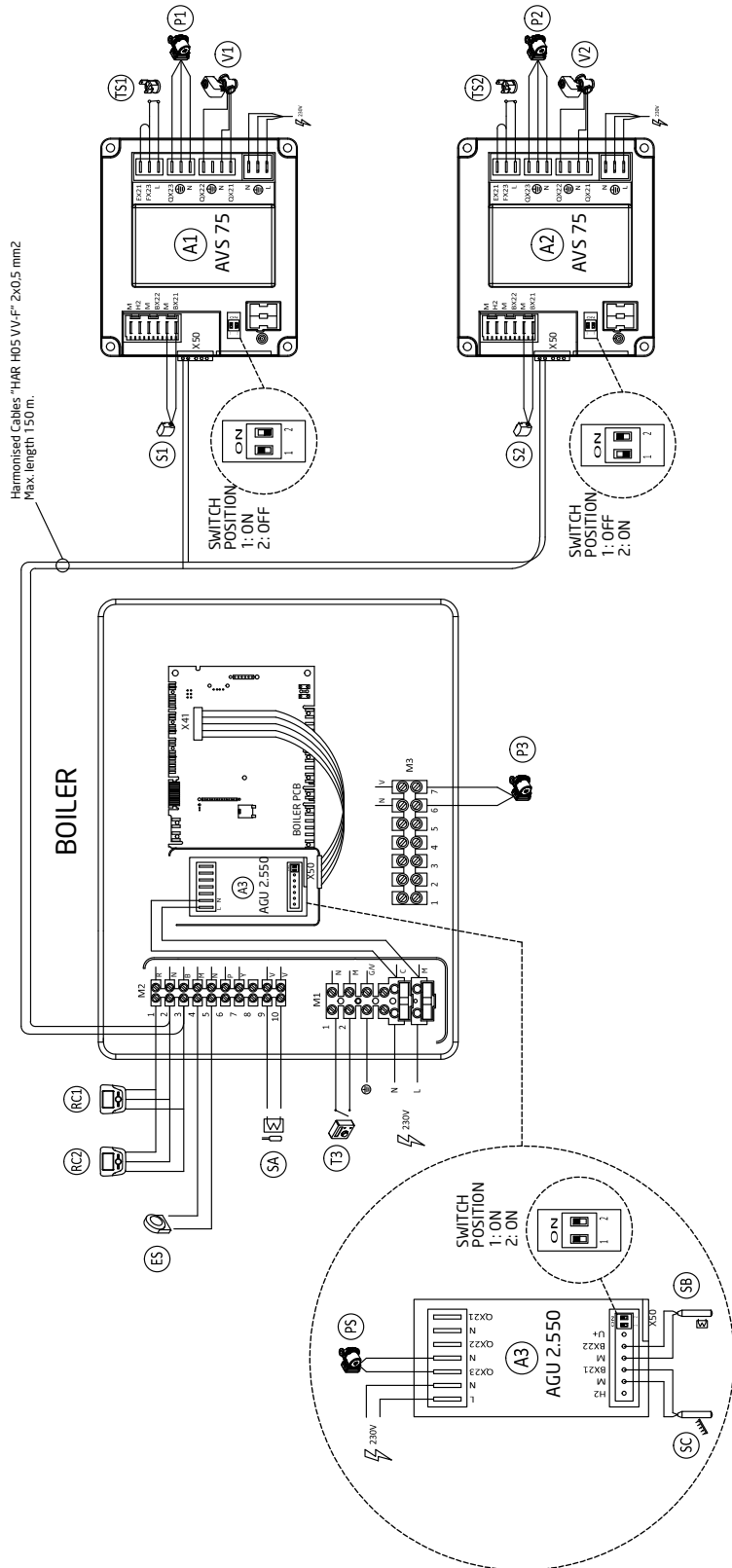
A2	EXTENSION MODULE 2 (LT2 ZONE MANAGEMENT)
RC2	LT2 ZONE REMOTE CONTROL
S2	LT2 ZONE FLOW SENSOR
TS2	LT2 ZONE SAFETY THERMOSTAT
P2	LT2 ZONE PUMP
V2	LT2 ZONE MIXING VALVE

A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 ZONE REMOTE CONTROL
S1	LT1 ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
P1	LT1 ZONE PUMP
V1	LT1 ZONE MIXING VALVE

Luna Platinum+ GA - 2 Low temperature zones (LT1, LT2) and 1 High temperature zone (HT3) - DHW tank and solar integration

Installation scheme

Electric scheme - connection - complete system management



A3	EXTENSION MODULE 3 (SOLAR MANAGEMENT)
PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR
ES	EXTERNAL SENSOR
T3	HT3 ZONE ROOM THERMOSTAT
P3	HT3 ZONE PUMP
SA	DHW TANK SENSOR

A2	EXTENSION MODULE 2 (LT2 ZONE MANAGEMENT)
RC2	LT2 ZONE REMOTE CONTROL
S2	LT2 ZONE FLOW SENSOR
TS2	LT2 ZONE SAFETY THERMOSTAT
P2	LT2 ZONE PUMP
V2	LT2 ZONE MIXING VALVE

A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 ZONE REMOTE CONTROL
S1	ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
P1	LT1 ZONE PUMP
V1	LT1 ZONE MIXING VALVE

Luna Platinum+ GA - 2 Low temperature zones (LT1, LT2) and 1 High temperature zone (HT3) - DHW tank and solar integration

Installation scheme

Configuration - complete system management

Luna Platinum+ GA / N°2 Low temperature zones (LT1 and LT2) / N°1 High temperature zone (HT3) / DHW Tank / Solar integration

Accessories

- N°1 AVS 75 for LT1 zone management
- N°1 AVS 75 for LT2 zone management
- N°1 AGU 2.550 for solar management
- N°1 EXTERNAL SENSOR - QAC34 (7104873)
- N°2 CONTACT SENSORS - QAD36 (KHG 71407891)
- N°2 DHW SENSORS for TANK (KHG 71407681)
- N°1 Pt1000 SENSOR for SOLAR COLLECTOR (LNC71000004)

Connections (for details refer to the manuals)

- Connect to the boiler the following components:

HT3 zone room thermostat (T3)	Terminal board M1 - Terminals 1-2
LT1 and LT2 zones Think remote controls (QAA 75) (RC1 and RC2)	Terminal board M2 - Terminals 1-2-3
DHW upper sensor (SA)	Terminal board M2 - Terminals 9-10
External sensor (ES)	Terminal board M2 - Terminals 4-5
HT3 zone pump (P3)	Terminal board M3 - Terminals 6-7

- Connect the components of the mixed zone 1 to the **AVS 75** module (**A1**) (Paragraph 3.2.1 manual AVS 75 for mixed plants management):

Mixing valve (V1)	QX21 - N - QX22
LT1 zone pump (P1)	QX23 - N
LT1 zone flow sensor (S1)	BX21 - M
Safety thermostat (TS1)	FX23 - L (put a jumper between the terminals EX21 - FX23)

NB: if the safety thermostat is not managed by the module, put a jumper between the terminals **FX23 - L**.

- Connect the components of the mixed zone 2 to the **AVS 75** module (**A2**) (Paragraph 3.2.1 manual AVS 75 for mixed plants management):

Mixing valve (V2)	QX21 - N - QX22
LT1 zone pump (P2)	QX23 - N
LT1 zone flow sensor (S2)	BX21 - M
Safety thermostat (TS2)	FX23 - L (put a jumper between the terminals EX21 - FX23)

NB: if the safety thermostat is not managed by the module, put a jumper between the terminals **FX23 - L**.

- Connect the components of the solar system to the **AGU 2.550** module (**A3**) (Paragraph 4.1.1 manual AGU 2.550 for mixed and solar plants management):

Solar pump (PS)	QX23 - N
DHW Lower sensor (SB)	BX22 - M
Collector sensor (SC)	BX21 - M

Parameters Setting

Access to Think remote control (QAA 75-RC1) which manages the **LT1 zone**.

Enter the **SPECIALIST** menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Room Unit 1	Think remote control (QAA 75-RC1) set as room sensor of the HC1
Control Unit	42	Heating circuit 1 and 3	Assignment of heating circuits 1 and 3
Configuration	5710	ON	Enable Heating Circuit 1 (LT1)
Configuration	5715	ON	Enable Heating Circuit 2 (LT2)
Configuration	5721	ON	Enable Heating Circuit 3 (HT3)
Configuration	5890	Heating circuit 3 Pump Q20	Enable HT3 pump on terminal board M3 (6-7)
Configuration	5977	Room thermostat HC3	Enable HT3 zone room thermostat on terminal board M1 (1-2)
Configuration	6020	Heating circuit 1	Enable extension module 1 (AVS 75-A1) for the management of LT1 zone
Configuration	6021	Heating circuit 2	Enable extension module 2 (AVS 75-A2) for the management of LT2 zone
Configuration	6022	DHW Solar	Enable extension module 3 (AGU 2,550-A3) for the solar management
Configuration	6024	Safety thermostat HC (if connected)	Enable input EX21 extension module 1 (AVS 75-A1) as safety thermostat
Configuration	6026	Safety thermostat HC (if connected)	Enable input EX21 extension module 2 (AVS 75-A2) as safety thermostat
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
Heating circuit 1	720	Your choice (0,8-1)	Climatic curve
Heating circuit 1	740	Your choice (25°C)	Min. flow value
Heating circuit 1	741	Your choice (35-45°C)	Max. flow value
Heating circuit 1	742	---	Modulating module
Heating circuit 1	750	Your choice (20-50%)	Room sensor influence
Heating circuit 3	1320	Your choice (1,5-1,8)	Climatic curve
Heating circuit 3	1340	45°C	Min. flow value
Heating circuit 3	1341	Your choice (55-60°C)	Max. flow value
Heating circuit 3	1342	Same of 1341	Maximum flow value with RT
Heating circuit 3	1350	---	Delete room influence
Heating circuit 3	1360	---	Delete shutdown differential

Enter the Think remote control (QAA 75-RC2) which manages the **LT2 zone**.

Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Room Unit 2	Think remote control (QAA 75-RC2) set as room sensor of the HC2
Control Unit	42	Heating circuit 2	Assignment of heating circuit 2
Heating Circuit 2	1020	Your choice (0,8-1)	Climatic curve
Heating Circuit 2	1040	Your choice (25°C)	Min. flow value
Heating Circuit 2	1041	Your choice (35-45°C)	Max. flow value
Heating Circuit 2	1042	---	Modulating flow
Heating Circuit 2	1050	Your choice (20-50%)	Room sensor influence

If the zones **LT1** and **LT2** are managed with two simple room thermostats (instead of the Think remote controls (QAA 75-RC1 , RC2)), connect each thermostat to the input **H2-M** of the module which manages the relative zone and, concerning the parameters described before, modify the following parameters:

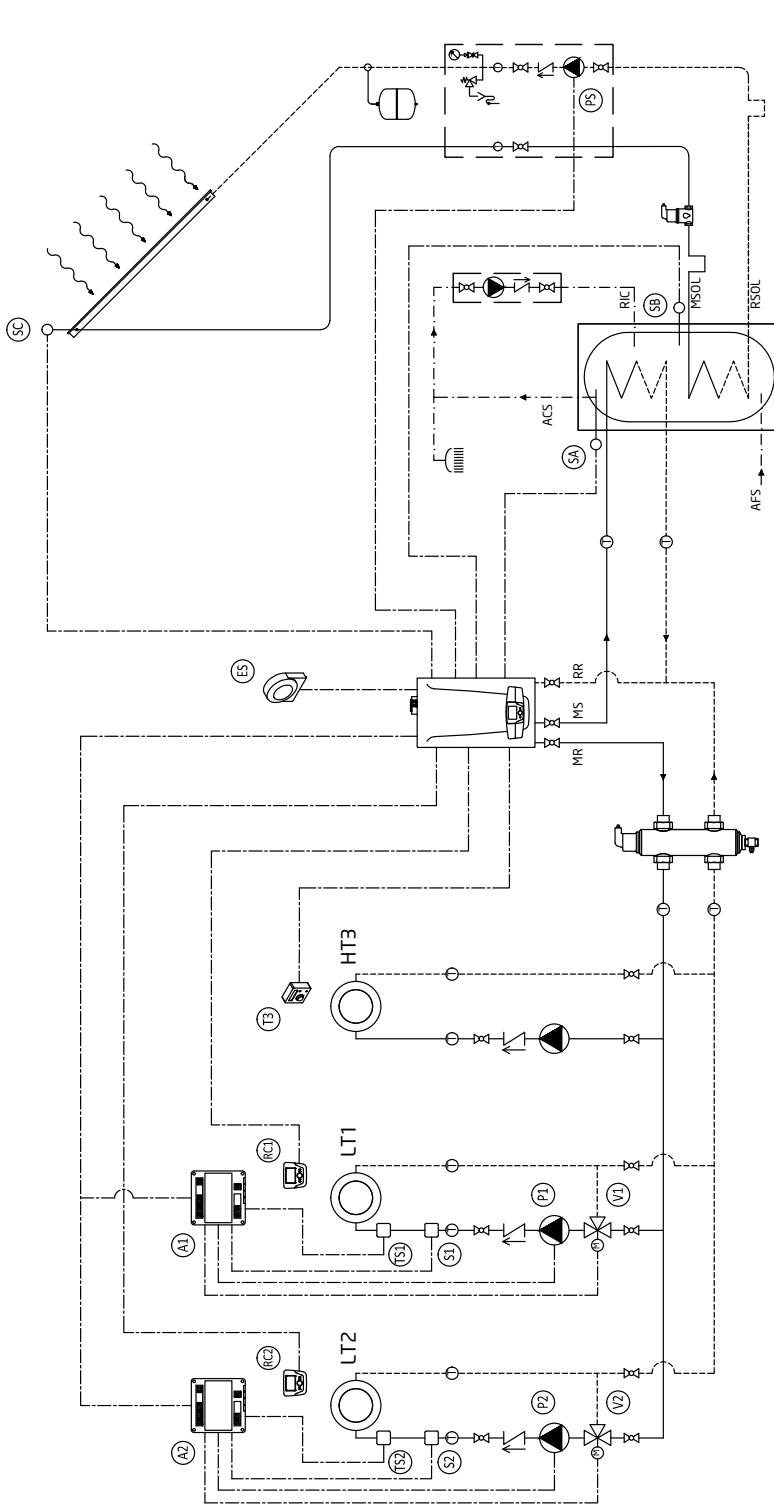
Access to the control panel of the boiler.

Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Control Unit 1	Think remote control (QAA 75-RC1) set as boiler panel
Control Unit	42	All the heating circuits	Assignment of heating circuits
Heating Circuit 1	742	Same of 741	Maximum flow value with RT
Heating Circuit 2	1042	Same of 1041	Maximum flow value with RT
Configuration	6046	Room Thermostat HC1	Enable LT1 zone room thermostat on input H2-M of the extension module 1 (AVS 75-A1)
Configuration	6054	Room Thermostat HC2	Enable LT2 zone room thermostat on input H2-M of the extension module 2 (AVS 75-A2)

Installation scheme

Electric scheme for control and regulation



PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR

ES	EXTERNAL SENSOR
T3	HT3 ZONE ROOM THERMOSTAT
SA	DHW/TANK SENSOR

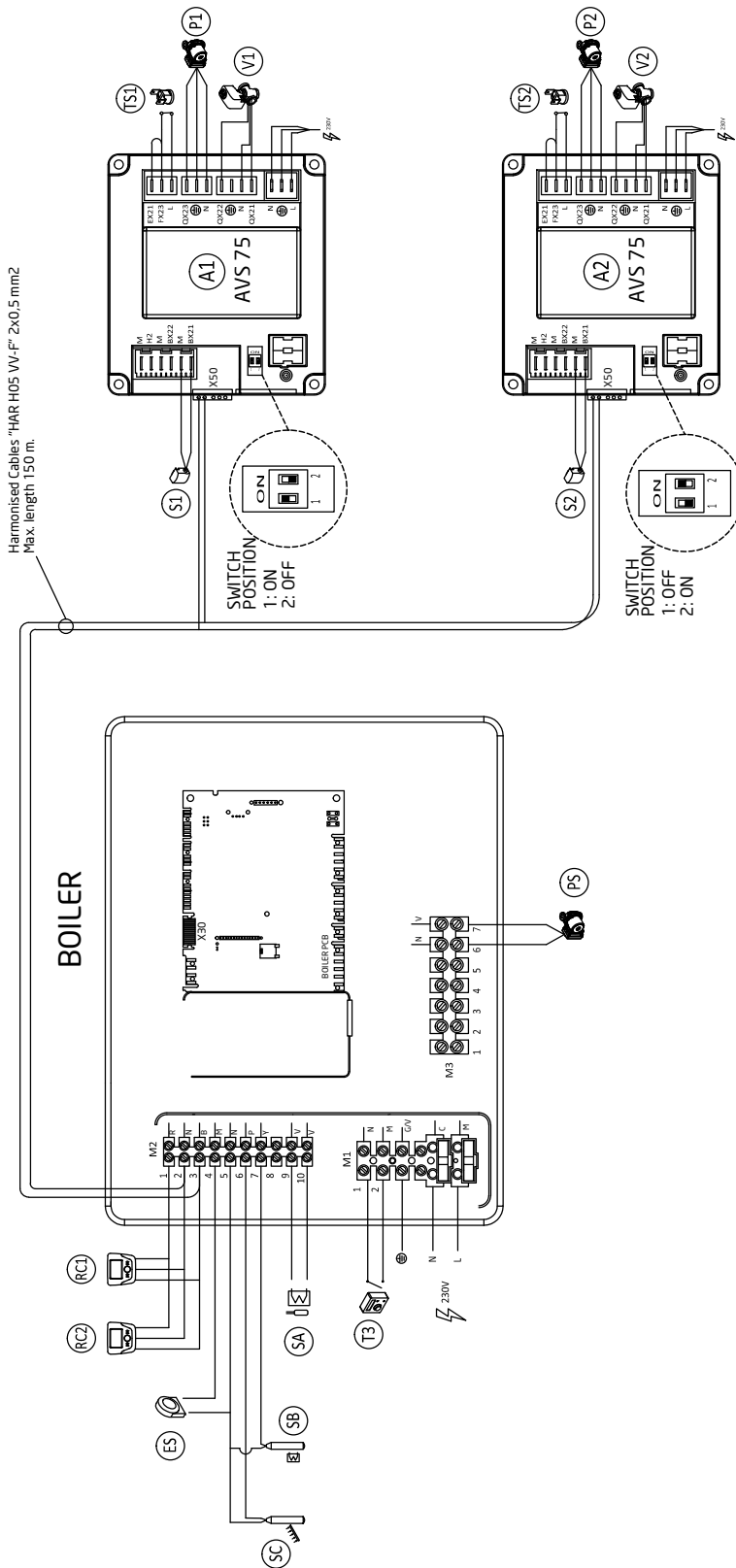
A2	EXTENSION MODULE 2 (LT2 ZONE MANAGEMENT)
RC2	LT2 ZONE REMOTE CONTROL
S2	LT2 ZONE FLOW SENSOR
TS2	LT2 ZONE SAFETY THERMOSTAT
P2	LT2 ZONE PUMP
V2	LT2 ZONE MIXING VALVE

A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 ZONE REMOTE CONTROL
S1	LT1 ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
P1	LT1 ZONE PUMP
V1	LT1 ZONE MIXING VALVE

Luna Platinum+ GA - 2 Low temperature zones (LT1, LT2) and 1 High temperature zone (HT3) - DHW tank and solar integration

Installation scheme

Electric scheme - connection



A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 ZONE REMOTE CONTROL
S1	LT1 ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
P1	LT1 ZONE PUMP
V1	LT1 ZONE MIXING VALVE

A2	EXTENSION MODULE 2 (LT2 ZONE MANAGEMENT)
RC2	LT2 ZONE REMOTE CONTROL
S2	LT2 ZONE FLOW SENSOR
TS2	LT2 ZONE SAFETY THERMOSTAT
P2	LT2 ZONE PUMP
V2	LT2 ZONE MIXING VALVE

PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR
ES	EXTERNAL SENSOR
T3	HT3 ZONE ROOM THERMOSTAT
SA	DHW/TANK SENSOR

Luna Platinum+ GA - 2 Low temperature zones (LT1, LT2) and 1 High temperature zone (HT3) - DHW tank and solar integration

Installation scheme

Configuration

Luna Platinum+ GA / N°2 Low temperature zones (LT1 and LT2) / N°1 High temperature zone (AT3) / DHW Tank / Solar Integration

Accessories

- N°1 AVS 75 for LT1 zone management
- N°1 AVS 75 for LT2 zone management
- N°1 EXTERNAL SENSOR - QAC34 (7104873)
- N°2 CONTACT SENSORS - QAD36 (KHG 71407891)
- N°2 DHW SENSORS for TANK (KHG 71407681)
- N°1 Pt1000 SENSOR for SOLAR COLLECTOR (LNC71000004)

Connections (for details refer to the manuals)

- Connect to the boiler the following components:

HT3 zone room thermostat (T3)	Terminals 1-2 of terminal board M1
LT1 and LT2 zones Think remote controls (QAA 75) (RC1 and RC2)	Terminals 1-2-3 of terminal board M2
DHW lower sensor (SB)	Terminals 5-7 of terminal board M2 (common)
Collector sensor (SC)	Terminals 5-6 of terminal board M2 (common)
DHW upper sensor (SA)	Terminals 9-10 of terminal board M2
External sensor (ES)	Terminals 4-5 of terminal board M2
Solar pump (PS)	Terminals 6-7 of terminal board M3

- Connect the components of the mixed zone 1 to the **AVS 75** module (**A1**) (Paragraph 3.2.1 manual AVS 75 for mixed plants management):

Mixing valve (V1)	QX21 - N - QX22
LT1 zone pump (P1)	QX23 - N
LT1 zone flow sensor (S1)	BX21 - M
Safety thermostat (TS1)	FX23 - L (put a jumper between the terminals EX21 - FX23)

NB: if the safety thermostat is not managed by the module, put a jumper between the terminals **FX23 - L**.

- Connect the components of the mixed zone 2 to the **AVS 75** module (**A2**) (Paragraph 3.2.1 manual AVS 75 for mixed plants management):

Mixing valve (V2)	QX21 - N - QX22
LT2 zone pump (P2)	QX23 - N
LT2 zone low sensor (S2)	BX21 - M
Safety thermostat (TS2)	FX23 - L (put a jumper between the terminals EX21 - FX23)

NB: if the safety thermostat is not managed by the module, put a jumper between the terminals **FX23 - L**.

Parameters Setting

Access to Think remote control (QAA 75-RC1) which manages the **LT1 zone**.

Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Room Unit 1	Think remote control (QAA 75-RC1) set as room sensor of the HC1
Control Unit	42	Heating circuits 1 and 3	Assignment of heating circuits 1 and 3
Configuration	5710	ON	Enable Heating Circuit 1 (LT1)
Configuration	5715	ON	Enable Heating Circuit 2 (LT2)
Configuration	5721	ON	Enable Heating Circuit 3 (HT3)
Configuration	5890	Collector pump Q5	Enable solar pump on terminal board M3 (6-7)
Configuraton	5931	DHW Sensor B31	Enable DHW tank lower sensor on terminal board M2 (5-7)
Configuration	5932	Collector sensor B6	Enable solar collector sensor on terminal board M2 (5-6)
Configuration	5977	Room Thermostat HC3	Enable HT3 zone room thermostat on terminal board M1 (1-2)
Configuration	6020	Heating circuit 1	Enable extension module 1 (AVS 75-A1) for the management of LT1 zone
Configuration	6021	Heating circuit 2	Enable extension module 2 (AVS 75-A2) for the management of LT2 zone
Configuration	6024	Safety thermostat HC (if connected)	Enable input EX21 extension module 1 (AVS 75-A1) as safety thermostat
Configuration	6026	Safety thermostat HC (if connected)	Enable input EX21 extension module 2 (AVS 75-A2) as safety thermostat
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
Heating Circuit 1	720	Your choice (0,8-1)	Climatic curve
Heating Circuit 1	740	Your choice (25°C)	Min. flow value
Heating Circuit 1	741	Your choice (35-45°C)	Max. flow value
Heating Circuit 1	742	---	Modulating flow
Heating Circuit 1	750	Your choice (20-50%)	Room sensor influence
Heating Circuit 3	1320	Your choice (1,5-1,8)	Climatic curve
Heating Circuit 3	1340	45°C	Min. flow value
Heating Circuit 3	1341	Your choice (55-60°C)	Max. flow value
Heating Circuit 3	1342	Same of 1341	Maximum flow value with RT
Heating Circuit 3	1350	---	Delete room influence
Heating Circuit 3	1360	---	Delete shutdown influence

Enter the Think remote control (QAA 75-RC2) which manages the **LT2 zone**.

Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Room Unit 2	Think remote control (QAA 75-RC2) set as room sensor of the HC2
Control Unit	42	Heating Circuit 2	Assignment of heating circuits 2
Heating Circuit 2	1020	Your choice (0,8-1)	Climatic curve
Heating Circuit 2	1040	Your choice (25°C)	Min. flow value
Heating Circuit 2	1041	Your choice (35-45°C)	Max. flow value
Heating Circuit 2	1042	---	Modulating flow
Heating Circuit 2	1050	Your choice (20-50%)	Room sensor influence

If the zones **LT1** and **LT2** are managed with two simple room thermostats (instead of the Think remote controls (QAA 75-RC1, RC2)), connect each thermostat to the input **H2-M** of the module which manages the relative zone and, concerning the parameters described before, modify the following ones:

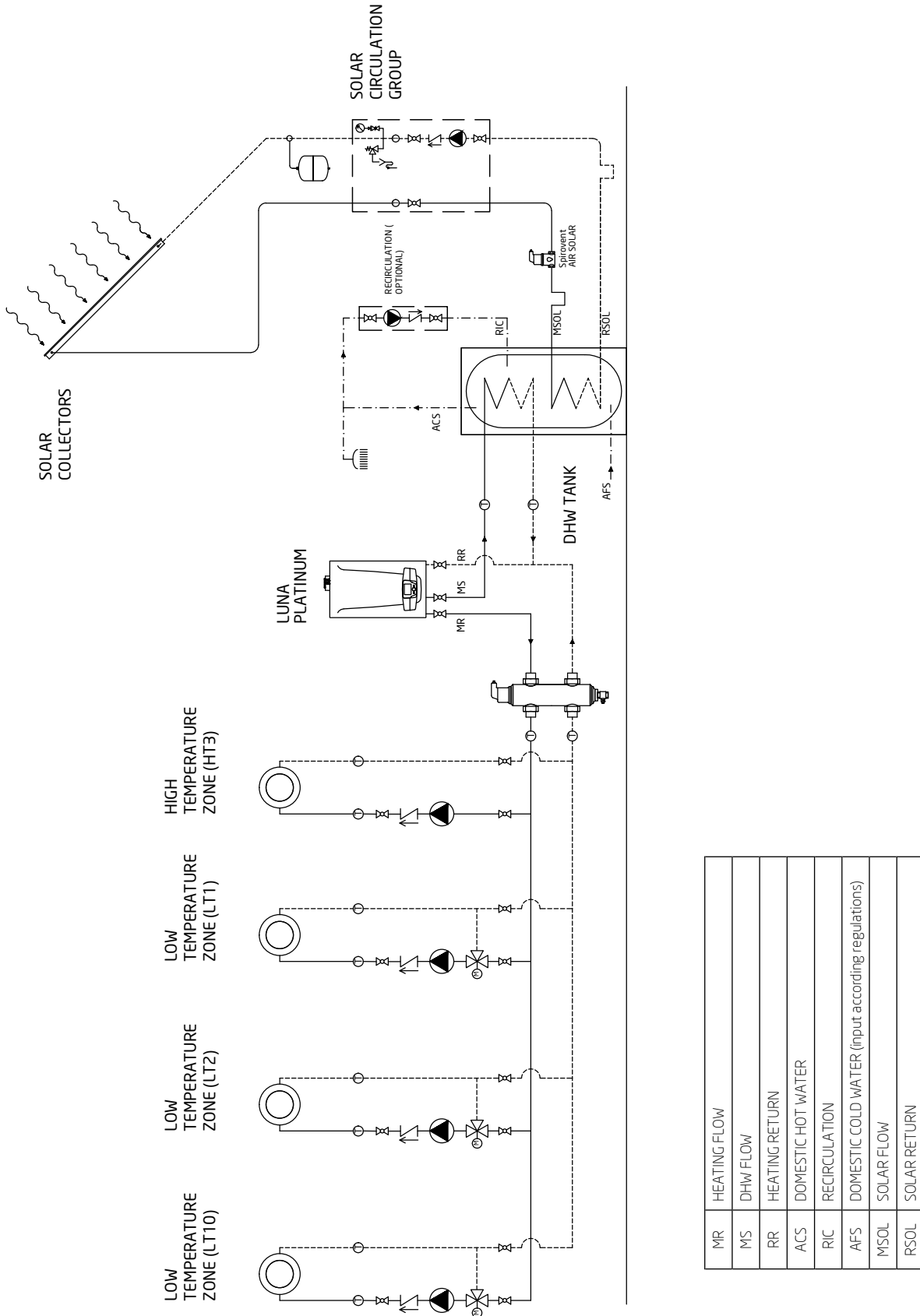
Access to the control panel of the boiler.

Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Control unit 1	Think remote control (QAA 75-RC1) set as boiler panel
Control Unit	42	All the heating circuits	Assignment of heating circuits
Heating Circuit 1	742	Same of 741	Maximum flow value with RT
Heating Circuit 2	1042	Same of 1041	Maximum flow value with RT
Configuration	6046	Room thermostat HC1	Enable LT1 zone room thermostat on input H2-M of the extension module 1 (AVS 75-A1)
Configuration	6054	Room thermostat HC2	Enable LT2 zone room thermostat on input H2-M of the extension module 2 (AVS 75-A2)

Installation scheme

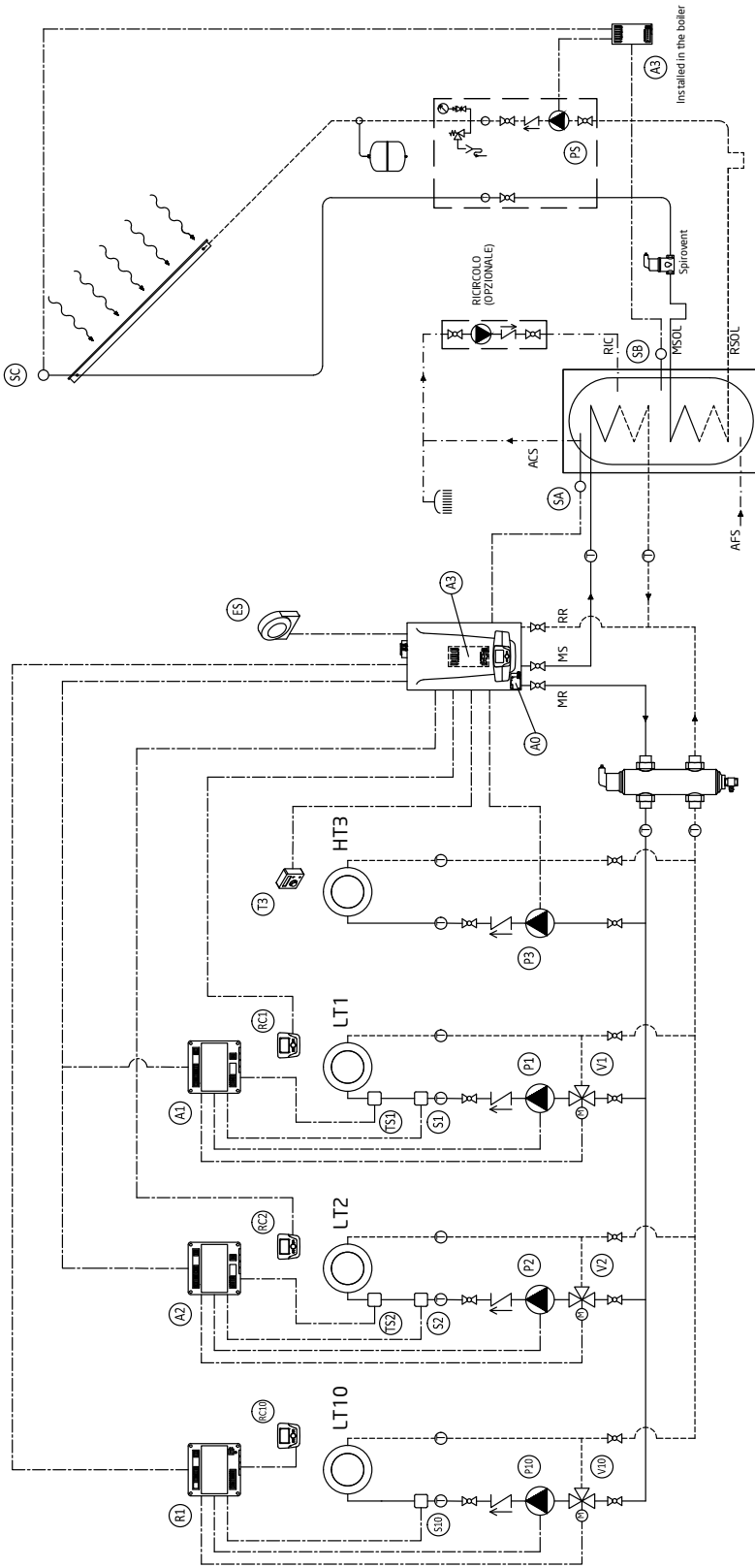
Hydraulic scheme



Luna Platinum+ GA - 3 Low temperature zones (LT1, LT2, LT10) and 1 High temperature zone (HT3) - DHW tank and solar integration

Installation scheme

Electric scheme for control and regulation - complete system management



A3	EXTENSION MODULE 3 (SOLAR MANAGEMENT)
PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR

A2	EXTENSION MODULE 2 (LT2 ZONE MANAGEMENT)
RC2	LT2 ZONE REMOTE CONTROL
S2	LT2 ZONE FLOW SENSOR
TS2	LT2 ZONE SAFETY THERMOSTAT
P2	LT2 ZONE PUMP
V2	LT2 ZONE MIXING VALVE

A0	BUS INTERFACE KIT - OCI345
ES	EXTERNAL SENSOR
T3	HT3 ZONE ROOM THERMOSTAT
P3	HT3 ZONE PUMP
SA	DHW TANK SENSOR

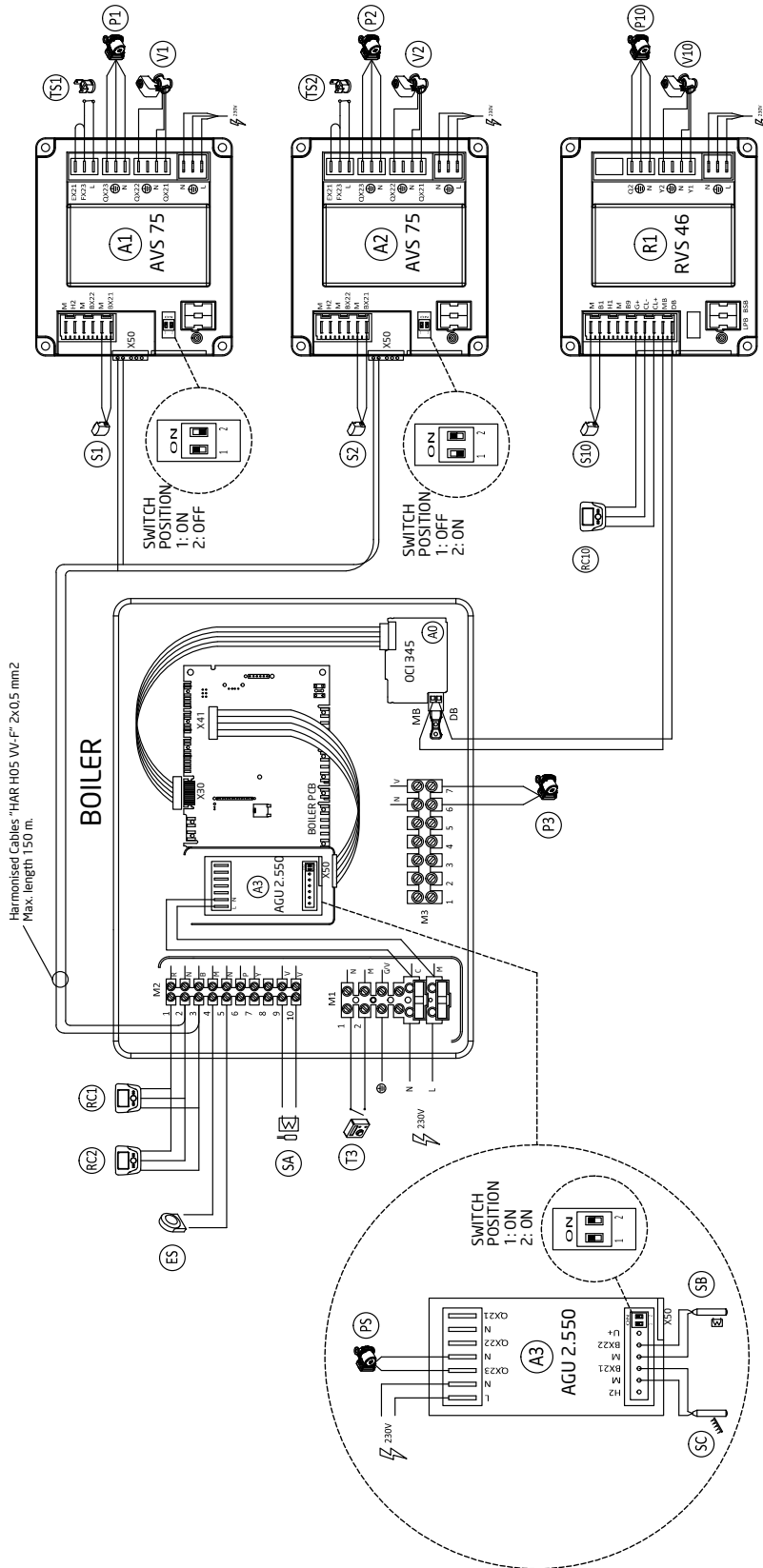
A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 ZONE REMOTE CONTROL
S1	LT1 ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
P1	LT1 ZONE PUMP
V1	LT1 ZONE MIXING VALVE

R1	RVS46 REGULATOR (LT10 ZONE MANAGEMENT)
RC10	LT10 ZONE REMOTE CONTROL
S10	LT10 ZONE FLOW SENSOR
P10	LT10 ZONE PUMP
V10	LT10 ZONE MIXING VALVE

Luna Platinum+ GA - 3 Low temperature zones (LT1, LT2, LT10) and 1 High temperature zone (HT3) - DHW tank and solar integration

Installation scheme

Electric scheme - connection - complete system management



A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 ZONE REMOTE CONTROL
TS1	LT1 ZONE SAFETY THERMOSTAT
P1	LT1 ZONE PUMP
V1	LT1 ZONE MIXING VALVE
S1	LT1 ZONE SAFETY THERMOSTAT

R1	RVS46 REGULATOR (LT10 ZONE MANAGEMENT)
RC10	LT10 ZONE REMOTE CONTROL
S10	LT10 ZONE FLOW SENSOR
P10	LT10 ZONE PUMP
V10	LT10 ZONE MIXING VALVE

A2	EXTENSION MODULE 2 (LT2 ZONE MANAGEMENT)
RC2	LT2 ZONE REMOTE CONTROL
S2	LT2 ZONE FLOW SENSOR
TS2	LT2 ZONE SAFETY THERMOSTAT
P2	LT2 ZONE PUMP
V2	LT2 ZONE MIXING VALVE

A0	BUS INTERFACE KIT - OCI345
ES	EXTERNAL SENSOR
T3	HT3 ZONE ROOM THERMOSTAT
P3	HT3 ZONE PUMP
SA	DHW TANK SENSOR

A3	EXTENSION MODULE 3 (SOLAR MANAGEMENT)
PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR

Luna Platinum+ GA - 3 Low temperature zones (LT1, LT2, LT10) and 1 High temperature zone (HT3) - DHW tank and solar integration

Installation scheme

Configuration - complete system management

Luna Platinum+ GA / N°3 Low temperature zones (LT1, LT2, LT10) / N°1 High temperature zone (HT3) / DHW Tank / Solar Integration

Accessories

- N°1 AVS 75 for LT1 zone management
- N°1 AVS 75 for LT2 zone management
- N°1 RVS 46 for LT10 zone management
- N°1 AGU 2.550 for solar management
- N°1 KIT INTERFACE - OCI 345
- N°1 EXTERNAL SENSOR - QAC34 (7104873)
- N°2 CONTACT SENSORS - QAD36 (KHG 71407891)
- N°2 DHW SENSORS for TANK (KHG 71407681)
- N°1 Pt1000 SENSOR for SOLAR COLLECTOR (LNC71000004)

Connections (for details refer to the manuals)

- Connect to the boiler the following components:

HT3 zone room thermostat (T3)	Terminals 1-2 of terminal board M1
LT1 and LT2 zones Think remote controls (QAA 75) (RC1 and RC2)	Terminals 1-2-3 of terminal board M2
DHW upper sensor (SA)	Terminals 9-10 of terminal board M2
External sensor (ES)	Terminals 4-5 of terminal board M2
HT3 zone pump (P3)	Terminals 6-7 of terminal board M3

- Connect the components of the mixed zone 1 to the **AVS 75** module (**A1**) (Paragraph 3.2.1 manual AVS 75 for mixed plants management):

Mixing valve (V1)	QX21 - N - QX22
LT1 zone pump (P1)	QX23 - N
LT1 zone flow sensor (S1)	BX21 - M
Safety thermostat (TS1)	FX23 - L (put a jumper between the terminals EX21 - FX23)

NB: if the safety thermostat is not managed by the module, put a jumper between the terminals **FX23 - L**.

- Connect the components of the mixed zone 2 to the **AVS 75** module (**A2**) (Paragraph 3.2.1 manual AVS 75 for mixed plants management):

Mixing valve (V2)	QX21 - N - QX22
LT2 zone pump (P2)	QX23 - N
LT2 zone flow sensor (S2)	BX21 - M
Safety thermostat (TS2)	FX23 - L (put a jumper between the terminals EX21 - FX23)

NB: if the safety thermostat is not managed by the module, put a jumper between the terminals **FX23 - L**.

- Connect the components of the solar system to the **AGU 2.550** module (**A3**) (Paragraph 4.1.1 manual AGU 2.550 for mixed and solar plants management):

Solar pump (PS)	QX23 - N
DHW lower sensor (SB)	BX22 - M
Collector sensor (SC)	BX21 - M

- Connect the components of the mixed zone LT10 to the **RVS 46** module (**R1**):

Kit Interface OCI 345	MB- DB
LT10 zone Think remote control (QAA 75) (RC10)	G+ - CL- - CL+
Mixing valve (V10)	Y1 - N - Y2
LT10 zone pump (P10)	Q2 - N
LT10 zone flow sensor (S10)	B1 - M

Parameters Setting

Access to Think remote control (QAA 75-RC1) which manages the **LT1** zone.

Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Room Unit 1	Think remote control (QAA 75-RC1) set as room sensor of the LT1 zone
Control Unit	42	Heating Circuit 1 and 3	Assignment of heating circuits 1 and 3
Configuration	5710	ON	Enable Heating Circuit 1 (LT1)
Configuration	5715	ON	Enable Heating Circuit 2 (LT2)
Configuration	5721	ON	Enable Heating Circuit 3 (HT3)
Configuration	5890	Heating circuit 3 Pump Q20	Enable HT3 zone pump on terminal board M3 (6-7)
Configuration	5977	Room thermostat HC3	Enable HT3 zone room thermostat on terminal board M1 (1-2)
Configuration	6020	Heating circuit 1	Enable extension module 1 (AVS 75-A1) for the management of LT1 zone
Configuration	6021	Heating circuit 2	Enable extension module 2 (AVS 75-A2) for the management of LT2 zone
Configuration	6022	DHW Solar	Enable extension module 3 (AGU 2.550-A3) for solar management
Configuration	6024	Safety thermostat HC (if connected)	Enable input EX21 extension module 1 (AVS 75-A1) as safety thermostat
Configuration	6026	Safety thermostat HC (if connected)	Enable input EX21 extension module 2 (AVS 75-A2) as safety thermostat
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
LPB	6623	Local	Commutation modality functioning mode
LPB	6630	Always	Master boiler identification
LPB	6640	Master	Master cascade clock setting
Heating circuit 1	720	Your choice (0,8-1)	Climatic curve
Heating circuit 1	740	Your choice (25°C)	Min. flow value
Heating circuit 1	741	Your choice (35-45°C)	Max. flow value
Heating circuit 1	742	---	Modulating flow
Heating circuit 1	750	Your choice (20-50%)	Room sensor influence
Heating circuit 3	1320	Your choice (1,5-1,8)	Climatic curve
Heating circuit 3	1340	45°C	Min. flow value
Heating circuit 3	1341	Your choice (55-60°C)	Max. flow value
Heating circuit 3	1342	Same of 1341	Maximum flow value with RT
Heating circuit 3	1350	---	Delete room influence
Heating circuit 3	1360	---	Delete shutdown differential

Enter the Think remote control (QAA 75-RC2) which manages the **LT2 zone**.

Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Room Unit 2	Think remote control (QAA 75-RC2) set as LT2 zone room sensor
Control Unit	42	Heating circuit 2	Assignment of heating circuit 2
Heating Circuit 2	1020	Your choice (0,8-1)	Climatic curve
Heating Circuit 2	1040	Your choice (25°C)	Min. flow value
Heating Circuit 2	1041	Your choice (35-45°C)	Max. flow value
Heating Circuit 2	1042	---	Modulating flow
Heating Circuit 2	1050	Your choice (20-50%)	Room sensor influence

If the zones **LT1** and **LT2** are managed with two simple room thermostats (instead of the Think remote controls (QAA 75-RC1, RC2)), connect each thermostat to the input **H2-M** of the module which manages the relative zone and, concerning the parameters described before, modify the following ones:

Access to the control panel of the boiler.

Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Control Unit 1	Think remote control (QAA 75-RC1) set as boiler panel
Control Unit	42	All the heating circuits	Assignment of heating circuits
Heating circuit 1	742	Same of 741	Maximum flow value with RT
Heating circuit 2	1042	Same of 1041	Maximum flow value with RT
Configuration	6046	Room thermostat HC1	Enable LT1 zone room thermostat on input H2-M of the extension module 1 (AVS 75-A1)
Configuration	6054	Room thermostat HC2	Enable LT2 zone room thermostat on input H2-M of the extension module 2 (AVS 75-A2)

Access to Think remote control (QAA 75-RC1) connected to the regulator **RVS 46-R1 (LT10 zone)**.
Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Room Unit 1	Think remote control (QAA 75-RC1) set as LT10 zone room sensor of the LT10
Control Unit	42	All the heating circuits	Assignment of heating circuits
Heating Circuit 1	720	Your choice (0,8-1)	Climatic curve
Heating Circuit 1	740	Your choice (25°C)	Min. flow value
Heating Circuit 1	741	Your choice (35-45°C)	Max. flow value
Heating Circuit 1	750	Your choice (20-50%)	Room sensor influence
Configuration	5710	ON	Enable heating circuit 1 (LT10)
Configuration	5950	Functioning-mode commutation HC+DHW	Disable input H1-M of the regulator RVS 46-R1
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
LPB	6600	2	Device address on the BUS
LPB	6623	Local	Commutation modality functioning mode
LPB	6640	Slave with remote configuration	Clock setting

If the zone LT10 is managed with a simple room thermostat (instead of the Think remote control (QAA 75-RC1)), connect the thermostat to the input **H1-M** of the regulator which manages the zone and, concerning the parameters described before, modify the following parameters **always** connecting by using a Think remote control (QAA 75) to the terminals **G+ - CL- - CL+** of the regulator **RVS46**:

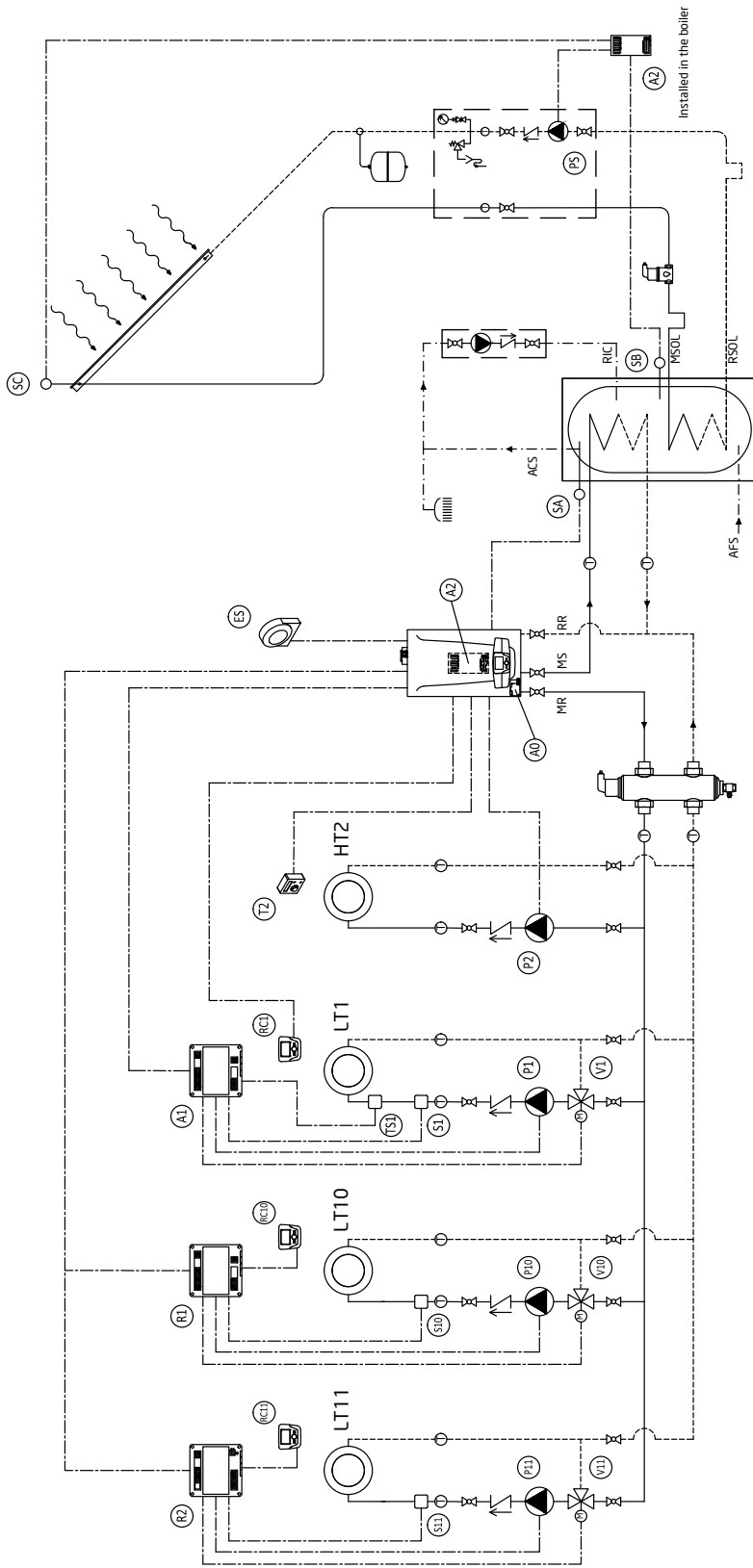
MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Control Unit 1	Think remote control (QAA 75-RC1) set as control panel
Heating circuit 1	900	COMFORT	Commutation-functioning mode
Configuration	5950	Commutation functioning mode HC1	Enable input H1-M as room thermostat
Configuration	5951	Normally OPEN	Input Logic H1-M
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings

Once finished the parameterization:

- **Connect and disconnect power supply**
- Ensuring that the contact at input H1-M of the module is **OPEN** (No heating request from the thermostat)
- Press the left button and modify **Heating Circuit 1 Functioning mode** in **ANTIFREEZE PROTECTION**

Installation scheme

Electric scheme for control and regulation



A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 ZONE REMOTE CONTROL
S1	LT1 ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
P1	LT1 ZONE PUMP
V1	LT1 ZONE MIXING VALVE

R1	RVS46 REGULATOR (LT10 ZONE MANAGEMENT)
RC10	LT10 ZONE REMOTE CONTROL
S10	LT10 ZONE FLOW SENSOR
P10	LT10 ZONE PUMP
V10	LT10 ZONE MIXING VALVE

A2	EXTENSION MODULE 2 (SOLAR MANAGEMENT)
PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR

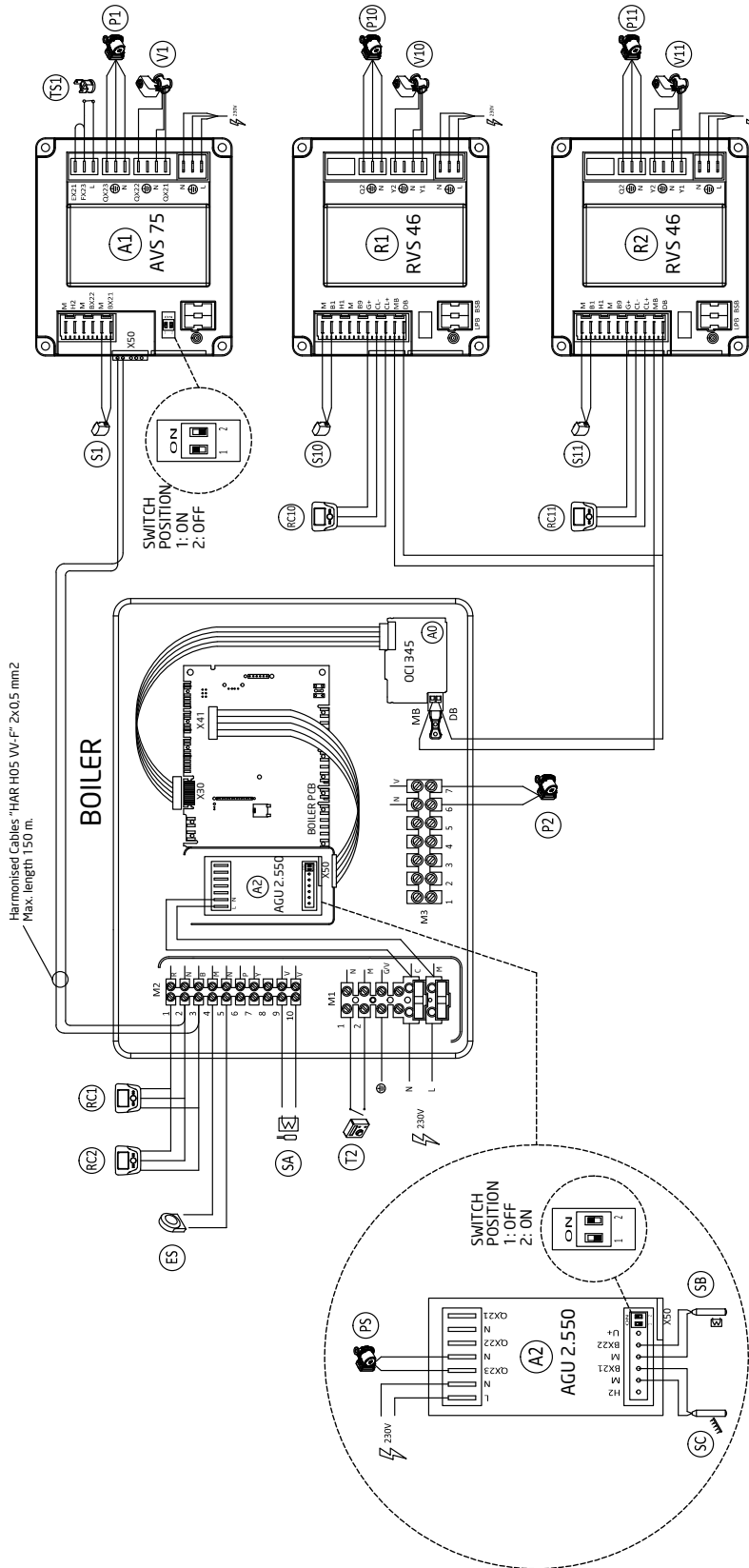
A0	BUS INTERFACE KIT - OCI345
ES	EXTERNAL SENSOR
T2	HT2 ZONE ROOM THERMOSTAT
P2	HT2 ZONE PUMP
SA	DHW TANK SENSOR

R2	RVS46 REGULATOR (LT11 ZONE MANAGEMENT)
RC11	LT11 ZONE REMOTE CONTROL
S11	LT11 ZONE FLOW SENSOR
P11	LT11 ZONE PUMP
V11	LT11 ZONE MIXING VALVE

Luna Platinum+ GA - 3 Low temperature zones (LT1, LT2, LT10) and 1 High temperature zone (HT3) - DHW tank and solar integration

Installation scheme

Electric scheme - connection



R2	RVS46 REGULATOR (LT11 ZONE MANAGEMENT)
RC11	LT11 ZONE REMOTE CONTROL
S11	LT11 ZONE FLOW SENSOR
P11	LT11 ZONE PUMP
V11	LT11 ZONE MIXING VALVE

R1	RVS46 REGULATOR (LT10 ZONE MANAGEMENT)
RC10	LT10 ZONE REMOTE CONTROL
S10	LT10 ZONE FLOW SENSOR
P10	LT10 ZONE PUMP
V10	LT10 ZONE MIXING VALVE

A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 ZONE REMOTE CONTROL
S1	LT1 ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
P1	LT1 ZONE PUMP
V1	LT1 ZONE MIXING VALVE

A0	BUS INTERFACE KIT - OCI345
ES	EXTERNAL SENSOR
T2	HT2 ZONE ROOM THERMOSTAT
P2	HT2 ZONE PUMP
SA	DHW TANK SENSOR

A2	EXTENSION MODULE 2 (SOLAR MANAGEMENT)
PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR

Luna Platinum+ GA - 3 Low temperature zones (LT1, LT10, LT11) and 1 High temperature zone (HT2) - DHW tank and solar integration

Installation scheme

Configuration

Luna Platinum+ GA / N°3 Low temperature zones (LT1, LT10, LT11) / N°1 High temperature zone (HT2) / DHW Tank / Solar Integration

Accessories

- N°1 AVS 75 for low temperature zone LT1 management
- N°1 RVS 46 for low temperature zone LT10 management
- N°1 RVS 46 for low temperature zone LT11 management
- N°1 AGU 2.550 for solar management
- N°1 KIT INTERFACE - OCI 345
- N°1 EXTERNAL SENSOR - QAC34 (7104873)
- N°2 CONTACT SENSORS - QAD36 (KHG 71407891)
- N°2 DHW SENSORS for TANK (KHG 71407681)
- N°1 A Pt1000 SENSOR for SOLAR COLLECTOR (LNC71000004)

Connections (for details refer to the manuals)

- Connect to the boiler the following components:

HT2 zone room thermostat (T2)	Terminals 1-2 of terminal board M1
LT1 zone Think remote control (QAA 75) (RC1)	Terminals 1-2-3 of terminal board M2
DHW upper sensor (SA)	Terminals 9-10 of terminal board M2
External sensor (ES)	Terminals 4-5 of terminal board M2
HT2 zone pump (P2)	Terminals 6-7 of terminal board M3

- Connect the components of the mixed zone 1 to the **AVS 75** module (**A1**) (Paragraph 3.2.1 manual AVS 75 for mixed plants management):

Mixing valve (V1)	QX21 - N - QX22
LT1 zone pump (P1)	QX23 - N
LT1 zone flow sensor (S1)	BX21 - M
Safety thermostat (TS1)	FX23 - L (put a jumper between the terminals EX21 - FX23)

NB: if the safety thermostat is not managed by the module, put a jumper between the terminals **FX23 - L**.

- Connect the components of the solar system to the **AGU 2.550** module (**A2**) (Paragraph 4.1.1 manual AGU 2.550 for mixed and solar plants management):

Solar pump (PS)	QX23 - N
DHW lower sensor (SB)	BX22 - M
Collector sensor (SC)	BX21 - M

- Connect the components of the mixed zone LT10 to the **RVS 46** module (**R1**):

Kit interface OCI 345	MB- DB
LT10 zone Think remote control (QAA 75) (RC10)	G+ - CL- - CL+
Mixing valve (V10)	Y1 - N - Y2
LT10 zone pump (P10)	Q2 - N
LT10 zone flow sensor (S10)	B1 - M

- Connect the components of the mixed zone LT11 to the **RVS 46** module (**R2**):

Kit interface OCI 345	MB- DB
LT11 zone Think remote control (QAA 75) (RC11)	G+ - CL- - CL+
Mixing valve (V11)	Y1 - N - Y2
LT11 zone pump (P11)	Q2 - N
LT11 zone flow sensor (S11)	B1 - M

Parameters Setting

Access to Think remote control (QAA 75-RC1) which manages the zone **LT1**.

Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Room Unit 1	Think remote control (QAA 75-RC1) set as LT1 zone room sensor
Control Unit	42	Heating circuits 1 and 3	Assignment of heating circuits 1 and 3
Configuration	5710	ON	Enable Heating Circuit 1 (LT1)
Configuration	5715	ON	Enable Heating Circuit 2 (HT2)
Configuration	5721	OFF	Disable Heating Circuit 3
Configuration	5890	Heating circuit 2 Pump Q6	Enable HT2 zone pump on terminal board M3 (6-7)
Configuration	5977	Room thermostat HC2	Enable HT2 zone room thermostat on terminal board M1 (1-2)
Configuration	6020	Heating Circuit 1	Enable extension module 1 (AVS 75-A1) for the management of LT1 zone
Configuration	6021	DHW Solar	Enable extension module 2 (AVS 75-A2) for solar management
Configuration	6024	Safety thermostat HC (if connected)	Enable input EX21 extension module 1 (AVS 75-A1) as safety thermostat
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
LPB	6623	Local	Commutation modality functioning mode
LPB	6630	Always	Master boiler Identification
LPB	6640	Master	Master cascade clock setting
Heating Circuit 1	720	Your choice (0,8-1)	Climatic curve
Heating Circuit 1	740	Your choice (25°C)	Min. flow value
Heating Circuit 1	741	Your choice (35-45°C)	Max. flow value
Heating Circuit 1	742	---	Modulating flow
Heating Circuit 1	750	Your choice (20-50%)	Room sensor influence
Heating Circuit 2	1020	Your choice (1,5-1,8)	Climatic curve
Heating Circuit 2	1040	45°C	Min. flow value
Heating Circuit 2	1041	Your choice (55-60°C)	Max. flow value
Heating Circuit 2	1042	Same of 1041	Maximum flow value with RT
Heating Circuit 2	1050	---	Delete room influence
Heating Circuit 2	1060	---	Delete differential shutdown

If the LT1 zone is managed with a simple room thermostat (instead of the Think remote control (QAA 75-RC1)), connect the thermostat to the input H2-M of the module which manages the zone and, concerning the parameters described before, modify the following ones:

Access to the Control Panel of the boiler.

Enter the SPECIALIST menu - (if a PASSWORD is required: 10101)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Control Unit 1	Think remote control (QAA 75-RC1) set as boiler panel
Control Unit	42	All the heating circuits	Assignment of heating circuits
Heating Circuit 1	742	Same of 741	Maximum flow value with RT
Configuration	6046	Room Thermostat HC1	Enable LT1 zone room thermostat on input H2-M of the extension module 1 (AVS 75-A1)

Access to the Think remote control (QAA 75-RC1) connected to the regulator RVS 46-R1 (zone LT10).

Enter the SPECIALIST menu - (if a PASSWORD is required: 10101)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Room Unit 1	Think remote control (QAA 75-RC1) set as room sensor of the LT10
Control Unit	42	All the heating circuits	Assignment of heating circuits
Heating Circuit 1	720	Your choice (0,8-1)	Climatic curve
Heating Circuit 1	740	Your choice (25°C)	Min. flow value
Heating Circuit 1	741	Your choice (35-45°C)	Max. flow value
Heating Circuit 1	750	Your choice (20-50%)	Room sensor influence
Configuration	5710	ON	Enable Heating Circuit 1 (LT10)
Configuration	5950	Commutation functioning mode HC+DHW	Disable input H1-M of the regulator RVS 46-R1
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
LPB	6600	2	Device address on the BUS
LPB	6623	Local	Commutation modality functioning mode
LPB	6640	Slave with remote setting	Clock setting

If the LT10 zone is managed with a simple room thermostat (instead of the Think remote control (QAA 75-RC1)), connect the thermostat to the input H1-M of the regulator which manages the zone and, concerning the parameters described before, modify the following parameters **always** connecting by using a Think remote control (QAA 75) to the terminals G+ - CL- - CL+ of the regulator RVS46:

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Control Unit 1	Think remote control (QAA 75-RC1) set as control panel
Heating Circuit 1	900	COMFORT	Commutation functioning mode
Configuration	5950	Commutation functioning mode HC1	Enable input H1-M as room thermostat
Configuration	5951	Normally OPEN	Logic input H1-M
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings

Once finished the parameterization:

- **Connect and disconnect power supply**
- Ensuring that the contact at input H1-M of the module is **OPEN** (No heating request from the thermostat)
- Press the left button and modify **Heating Circuit 1 Functioning mode** in **ANTIFREEZE PROTECTION**

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Room Unit 1	Think remote control (QAA 75-RC1) set as room sensor of the LT1
Control Unit	42	All the heating circuits	Assignment of heating circuits
Heating Circuit 1	720	Your choice (0,8-1)	Climatic curve
Heating Circuit 1	740	Your choice (25°C)	Min. flow value
Heating Circuit 1	741	Your choice (35-45°C)	Max. flow value
Heating Circuit 1	750	Your choice (20-50%)	Room sensor influence
Configuration	5710	ON	Enable Heating Circuit 1 (LT11)
Configuration	5950	Commutation functioning mode HC+DHW	Disable input H1-M of the regulator RVS 46-R1
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
LPB	6600	3	Device address on the BUS
LPB	6623	Local	Commutation modality functioning mode
LPB	6640	Slave with remote settings	Clock setting

If the LT11 zone is managed with a simple room thermostat (instead of the Think remote control (QAA 75-RC1)), connect the thermostat to the input H1-M of the regulator which manages the zone and, concerning the parameters described before, modify the following ones **always** connecting with a Think remote control (QAA 75-RC1) to the terminals G+ - CL- - CL+ of the regulator RVS46-R1:

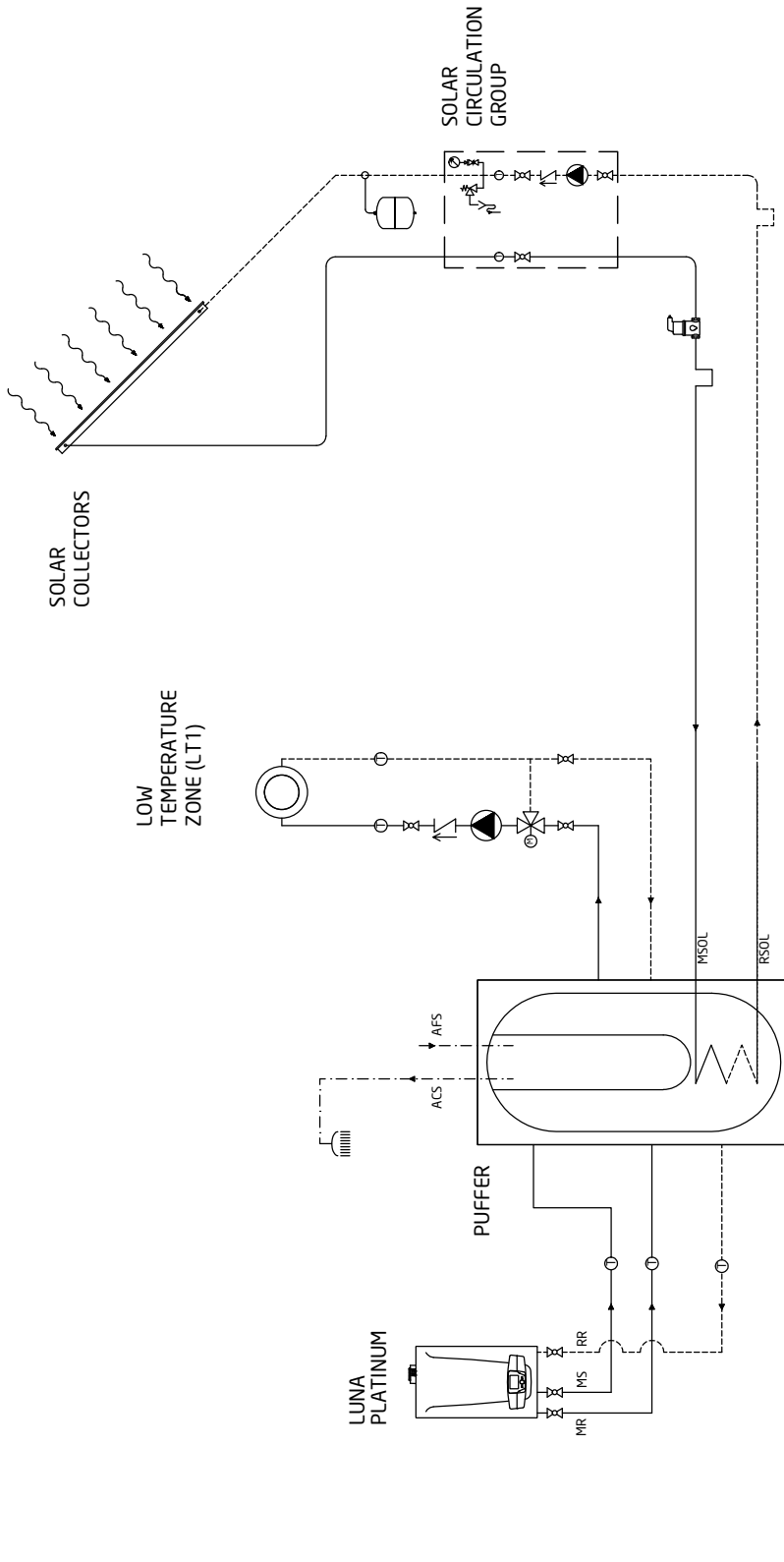
MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Control Unit 1	Think remote control (QAA 75-RC1) set as boiler panel
Heating Circuit 1	900	COMFORT	Commutation functioning mode
Configuration	5950	Commutation functioning mode HC1	Enable input H1-M as room thermostat
Configuration	5951	Normally OPEN	Logic Input H1-M
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings

Once finished the parameterization:

- **Connect and disconnect supply voltage**
- Be sure that the contact at the input H1-M of the module is **OPEN** (No heating demand)
- Press the left button and modify the **Heating circuit 1 functioning mode in ANTIFREEZE PROTECTION**

Installation scheme

Hydraulic scheme

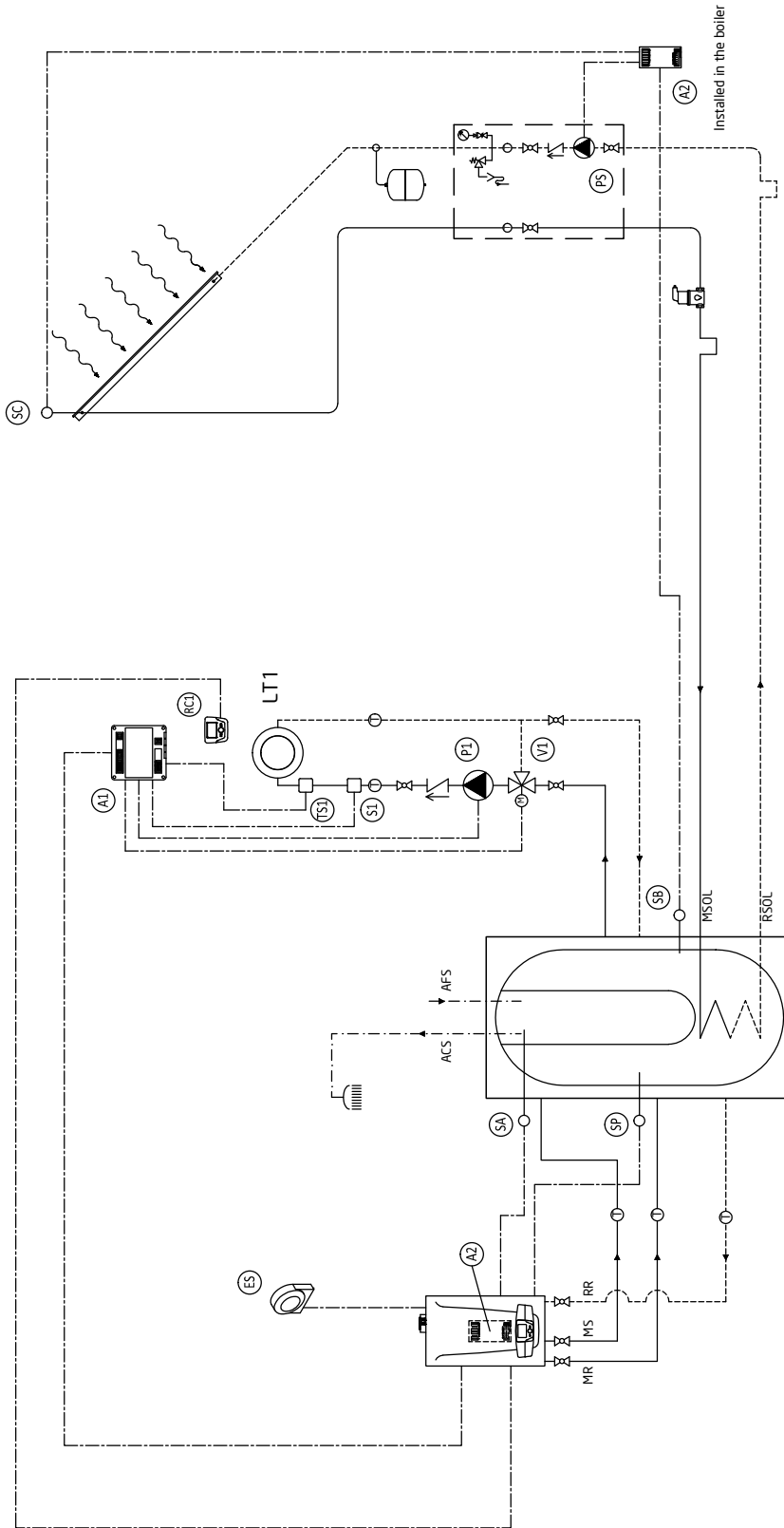


MR	HEATING FLOW
MS	DHW FLOW
RR	HEATING RETURN
ACS	DOMESTIC HOT WATER
RIC	RECIRCULATION
AFS	DOMESTIC COLD WATER (input according regulations)
MSOL	SOLAR FLOW
RSOL	SOLAR RETURN

Luna Platinum+ GA - 1 Low temperature zone (LT1) - tank-in-tank puffer and solar integration

Installation scheme

Electric scheme for control and regulation



ES	EXTERNAL SENSOR
SA	DHW TANK SENSOR
SP	PUFFER SENSOR

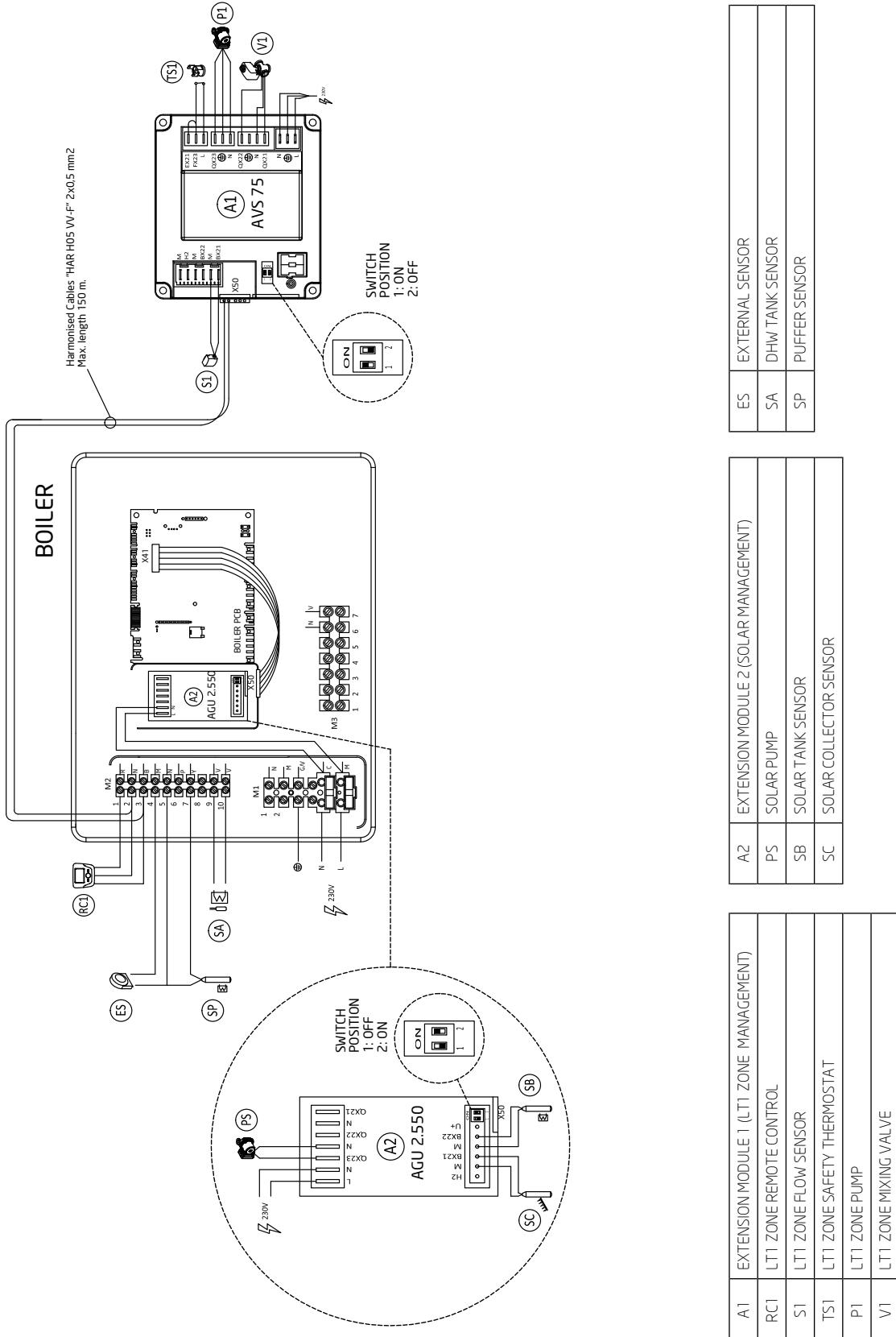
A2	EXTENSION MODULE 2 (SOLAR MANAGEMENT)
PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR

A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 ZONE REMOTE CONTROL
S1	LT1 ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
PI	LT1 ZONE PUMP
V1	LT1 ZONE MIXING VALVE

Luna Platinum+ GA - 1 Low temperature zone (LT1) - tank-in-tank puffer and solar integration

Installation scheme

Electric scheme - connection



Luna Platinum+ GA - 1 Low temperature zone (LT1) - tank-in-tank puffer and solar integration

Installation scheme

Configuration

N°1 Low temperature zone (LT1) / Puffer Tank-In-Tank / Solar Integration

Accessories

- N°1 AVS 75 for low temperature zone LT1 management
- N°1 AGU 2.550 for solar management
- N°1 EXTERNAL SENSOR - QAC34 (7104873)
- N°1 CONTACT SENSOR - QAD36 (KHG 71407891)
- N°2 DHW SENSORS for TANK (KHG 71407681)
- N°1 Pt1000 SENSOR for SOLAR COLLECTOR (LNC71000004)

Connections (for details refer to the manuals)

- Connect to the boiler the following components:

LT1 zone Think remote control (QAA 75) (RC1)	Terminals 1-2-3 of terminal board M2
Puffer middle sensor (SP)	Terminals 5-7 of terminal board M2 (common)
Puffer upper sensor (SA)	Terminals 9-10 of terminal board M2
External sensor (ES)	Terminals 4-5 terminal board M2

- Connect the components of the mixed zone 1 to the **AVS 75** module (A1) (Paragraph 3.2.1 manual AVS 75 for management of mixed plants):

Mixing valve (V1)	QX21 - N - QX22
LT1 zone pump (P1)	QX23 - N
Flow sensor zone LT1 (S1)	BX21 - M
Safety thermostat (TS1)	FX23 - L (put a jumper between the terminals EX21 - FX23)

NB: if the safety thermostat is not managed by the module, put a jumper between the terminals **FX23 - L**.

- Connect the following components to the **AGU 2.550** module (A2) (Paragraph 4.1.1 manual AGU 2.550 for management of mixed and solar plants):

Solar pump (PS)	QX23 - N
Puffer lower sensor (SB)	BX22 - M
Collector sensor (SC)	BX21 - M

Parameters Setting

Access to Think remote control (QAA 75) which manages the LT1 zone.

Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Room Unit 1	Think remote control (QAA 75-RC1) set as room sensor
Control Unit	42	All the heating circuits	Assignment of heating circuits
DHW Tank	5093	NO	Disable solar function in DHW
Configuration	5710	ON	Enable Heating Circuit 1 (LT1)
Configuration	5715	OFF	Disable Heating Circuit 2
Configuration	5721	OFF	Disable Heating Circuit 3
Configuration	5931	Buffer sensor B4	Enable puffer sensor SP on terminal board M2 (7-5)
Configuration	5977	None	Disable terminals 1-2 of M1
Configuration	6020	Heating Circuit 1	Enable extension module 1 (AVS 75-A1) for LT1 zone management
Configuration	6021	Multifunctional	Enable extension module 2 (AGU 2.550-A2)
Configuration	6024	Safety Thermostat HC (if connected)	Enable input EX21 extension module 1 (AVS 75-A1) as safety thermostat
Configuration	6033	Collector Pump Q5	Enable solar pump on QX21-N of the extension module 2 (AGU 2.550-A2)
Configuration	6042	Collector Sensor B6	Enable collector sensor on BX21-M of the extension module 2 (AGU 2.550-A2)
Configuration	6043	Buffer Sensor B41	Enable puffer lower sensor on BX22-M of the extension module 2 (AGU 2.550-A2)
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
Buffer Tank	4783	YES	Buffer solar function
Heating Circuit 1	720	Your choice (0,8-1)	Climatic curve
Heating Circuit 1	740	Your choice (25°C)	Min. flow value
Heating Circuit 1	741	Your choice (35-45°C)	Max. flow value
Heating Circuit 1	742	---	Modulating flow
Heating Circuit 1	750	Your choice (20-50%)	Room sensor influence

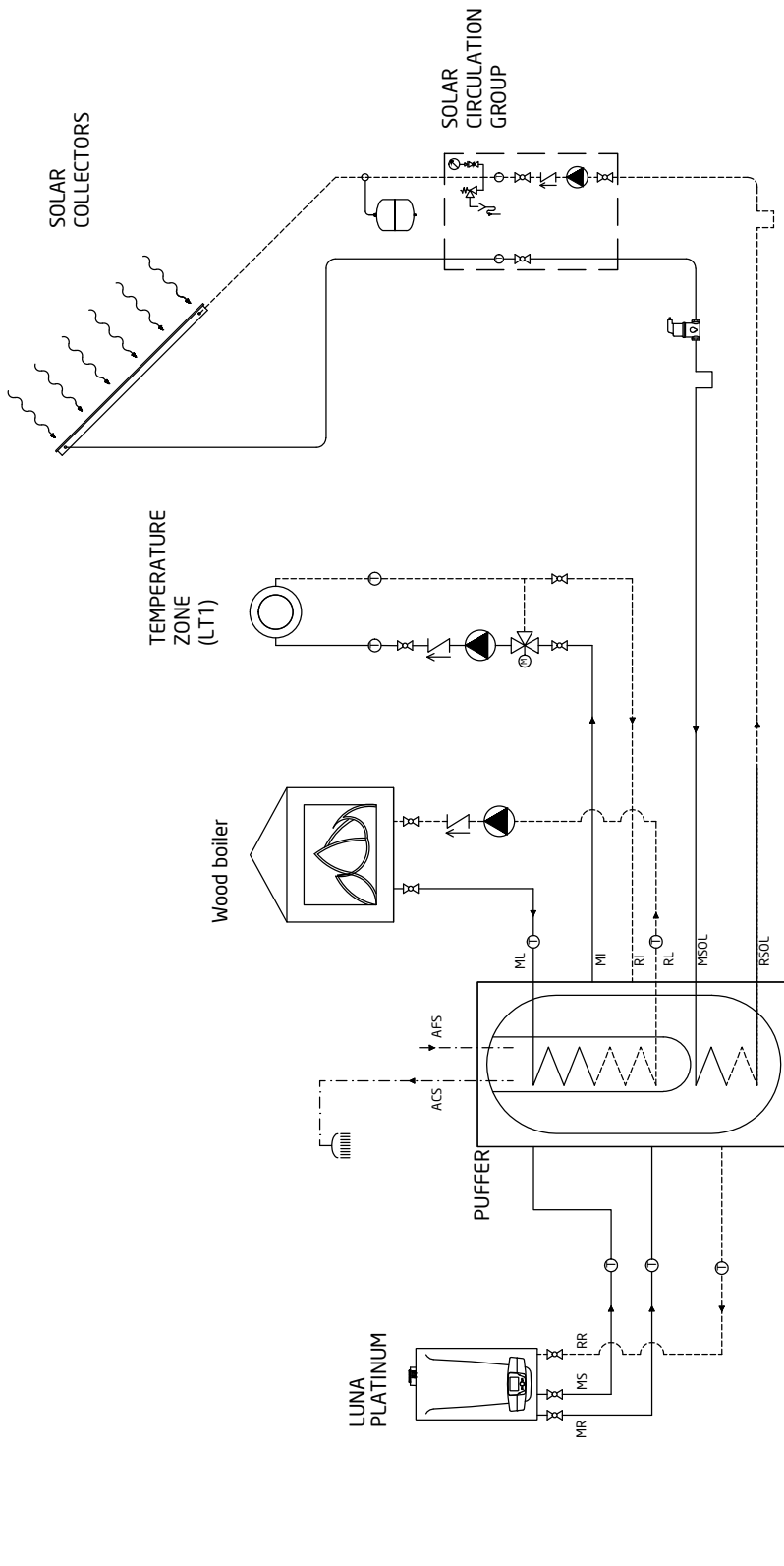
If the LT1 zone is managed with a simple room thermostat (instead of the Think remote control (QAA 75-RC1)), connect the thermostat to the input H2-M of the AVS 75 module (A1) and, concerning the parameters described before, modify the following ones accessing to the boiler control panel.

- Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Control Unit 1	Think remote control (QAA 75-RC1) set as boiler panel
Control Unit	42	All the heating circuits	Assignment of heating circuits
Heating Circuit 1	742	Same of 741	Maximum flow value with RT
Configuration	6046	Room Thermostat HC1	Enable room thermostat TH1 on input H2-M of the extension module 1 (AVS 75-A1)

Installation scheme

Hydraulic scheme



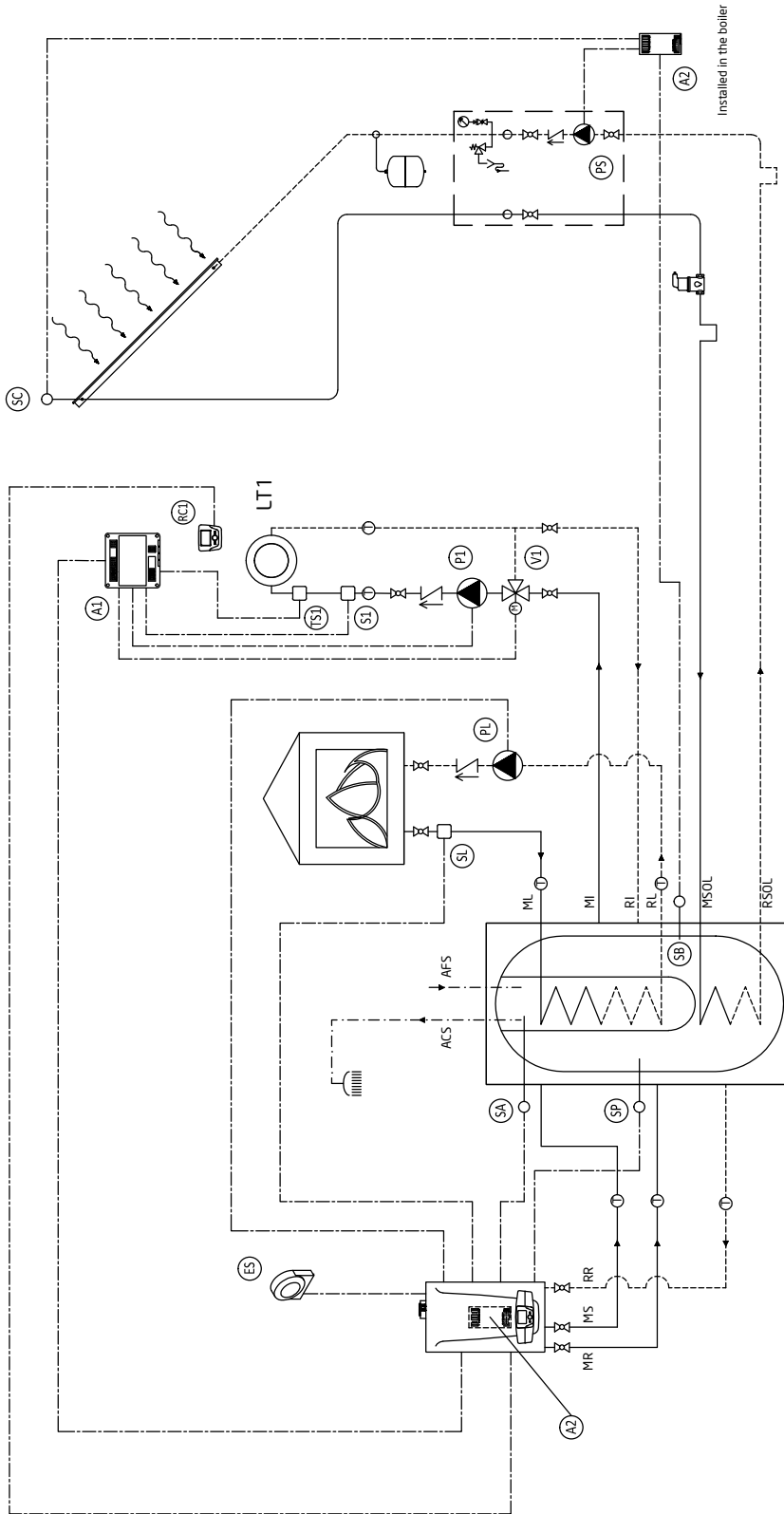
MR	HEATING FLOW
MS	DHW FLOW
RR	HEATING RETURN
ACS	DOMESTIC HOT WATER
RIC	RECIRCULATION
AFS	DOMESTIC COLD WATER (input according regulations)
MSOL	SOLAR FLOW
RSOL	SOLAR RETURN

ML	WOOD BOILER FLOW
RL	WOOD BOILER RETURN
MI	PLANT FLOW
RI	PLANT RETURN

Luna Platinum+ GA - 1 Low temperature zone (LT1) - tank-in-tank puffer - solar integration and wood boiler

Installation scheme

Electric scheme for control and regulation



ES	OUTSIDE SENSOR
SA	DHW-PUFFER SENSOR
SP	PUFFER SENSOR
SL	WOOD BOILER SENSOR
PL	WOOD BOILER PUMP

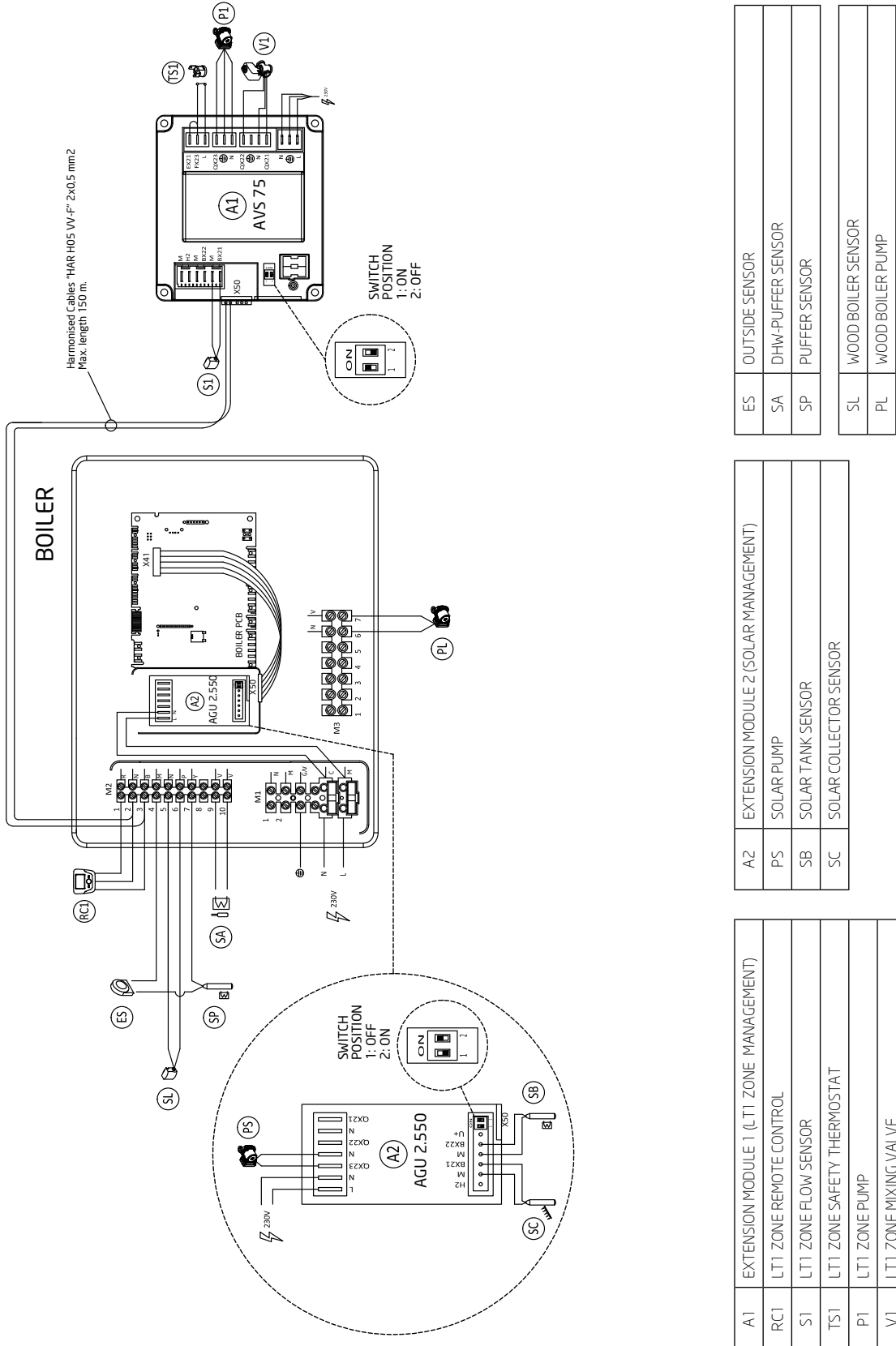
A2	EXTENSION MODULE 2 (SOLAR MANAGEMENT)
PS	SOLAR PUMP
SB	SOLAR TANK SENSOR
SC	SOLAR COLLECTOR SENSOR

A1	EXTENSION MODULE 1 (LT1 ZONE MANAGEMENT)
RC1	LT1 ZONE REMOTE CONTROL
S1	LT1 ZONE FLOW SENSOR
TS1	LT1 ZONE SAFETY THERMOSTAT
PI	LT1 ZONE PUMP
VI	LT1 ZONE MIXING VALVE

Luna Platinum+ GA - 1 Low temperature zone (LT1) - tank-in-tank puffer - solar integration and wood boiler

Installation scheme

Electric scheme - connection



Luna Platinum+ GA - 1 Low temperature zone (LT1) - tank-in-tank puffer - solar integration and wood boiler

Installation scheme

Configuration

Luna Platinum+ GA / N°1 Low temperature zone (LT1) / Puffer Tank-In-Tank / Solar integration/ Integration with wood boiler

Accessories

- N°1 AVS 75 for low temperature zone LT1 management
- N°1 AGU 2.550 for solar management
- N°1 EXTERNAL SENSOR - QAC34 (7104873)
- N°2 CONTACT SENSORS - QAD36 (KHG 71407891)
- N°2 DHW SENSORS for TANK (KHG 71407681)
- N°1 Pt1000 SENSOR for SOLAR COLLECTOR (LNC71000004)

Connections (for details refer to the manuals)

- Connect to the boiler the following components:

LT1 zone Think remote control (QAA 75) (HC1)	Terminals 1-2-3 of terminal board M2
Puffer middle sensor (SP)	Terminals 5-7 of terminal board M2 (common)
Wood boiler lower sensor (SL)	Terminals 5-6 of terminal board M2 (common)
Puffer upper sensor (SA)	Terminals 9-10 of terminal board M2
External sensor (ES)	Terminals 4-5 of terminal board M2
Wood boiler sensor (PL)	Terminals 6-7 of terminal board M3

- Connect the components of the mixed zone 1 to the **AVS 75** module (**A1**) (Paragraph 3.2.1 manual AVS 75 for management of mixed plants):

Mixing valve (V1)	QX21 - N - QX22
LT1 zone pump (P1)	QX23 - N
LT1 zone flow sensor (S1)	BX21 - M
Safety thermostat (TS1)	FX23 - L (put a jumper between the terminals EX21 - FX23)

NB: if the safety thermostat is not managed by the module, put a jumper between the terminals **FX23 - L**.

- Connect the following components to the **AGU 2.550** module (**A2**) (Paragraph 4.1.1 manual AGU 2.550 for management of mixed and solar plants):

Solar pump (PS)	QX23 - N
Puffer lower sensor (SB)	BX22 - M
Collector sensor (SC)	BX21 - M

Parameters Setting

Access to Think remote control (QAA 75-RC1) which manages the **LT1** zone.

Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Room Unit 1	Think remote control (QAA 75-RC1) set as room sensor
Control Unit	42	All the heating circuits	Assignment of heating circuits
DHW Tank	5093	NO	Disable solar function in DHW
Configuration	5710	ON	Enable Heating Circuit 1 (LT1)
Configuration	5715	OFF	Disable Heating Circuit 2
Configuration	5721	OFF	Disable Heating Circuit 3
Configuration	5890	Wood boiler pump Q10	Enable wood boiler pump PT on terminal board M3 (6-7)
Configuration	5931	Buffer sensor B4	Enable puffer middle sensor SP on terminal board M2 (7-5)
Configuration	5932	Wood boiler sensor B22	Enable wood boiler sensor ST on terminal board M2 (6-5)
Configuration	5977	None	Disable terminals 1-2 of M1
Configuration	6020	Heating circuit 1	Enable extension module 1 (AVS 75-A1) for LT1 zone management
Configuration	6021	Multifunctional	Enable extension module 2 (AGU 2.550-A2)
Configuration	6024	Safety thermostat HC (if connected)	Enable input EX21 extension module 1 (AVS 75-A1) as safety thermostat
Configuration	6033	Collector Pump Q5	Enable solar sensor on QX21-N of the extension module 2 (AGU 2.550-A2)
Configuration	6042	Collector sensor B6	Enable collector sensor on BX21-M of the extension module 2 (AGU 2.550-A2)
Configuration	6043	Buffer sensor B41	Enable puffer lower sensor on BX22-M of the extension module 2 (AGU 2.550-A2)
Configuration	6200	Yes (The value returns automatically to "No" immediately after setting)	Saving of the settings
Buffer Tank	4783	YES	Buffer solar function
Heating circuit 1	720	Your choice (0,8-1)	Climatic curve
Heating circuit 1	740	Your choice (25°C)	Min. flow value
Heating circuit 1	741	Your choice (35-45°C)	Max. flow value
Heating circuit 1	742	---	Modulating flow
Heating circuit 1	750	Your choice (20-50%)	Room sensor influence
Wood Boiler	4102	ON	Stop other heat sources (ex. boiler) when it's working
Wood Boiler	4110	40°C	Minimum set point to activate the biomass boiler pump
Wood Boiler	4130	8°C	Ignition differential compared to the set point
Wood Boiler	4131	4°C	Shutdown differential compared to the set point
Wood Boiler	4133	Minimum set point	Comparative temperature

If the LT1 zone is managed with a simple room thermostat (instead of the Think remote control (QAA 75-RC1)), connect the thermostat to the input H2-M of the AVS 75 module (A1) and, compared to the parameters described before, modify the following ones by accessing to the boiler control panel.

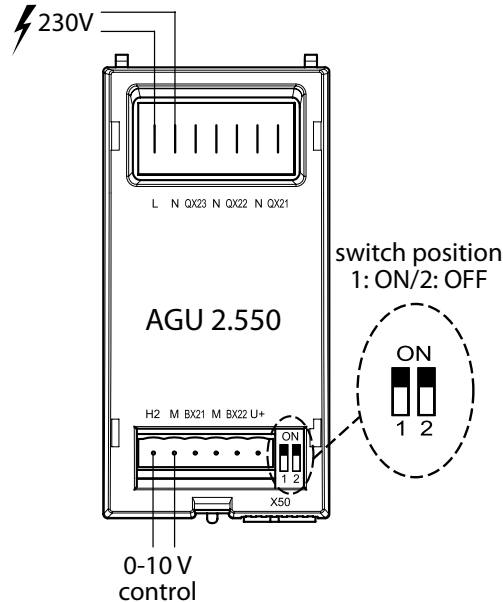
- Enter the SPECIALIST menu – (if a **PASSWORD** is required: **10101**)

MENU	PARAMETER	VALUE	DESCRIPTION
Control Unit	40	Control unit 1	Think remote control (QAA 75-RC1) set as boiler panel
Control Unit	42	All the heating circuits	Assignment of heating circuits
Heating circuit 1	742	Same of 741	Maximum flow value with RT
Configuration	6046	Room thermostat HC1	Enable LT1 zone room thermostat on input H2-M of the extension module 1 (AVS 75-A1)

Luna Platinum+ GA

0-10 Volt temperature control through Extension Module (EM) AGU 2.550 or AVS 75

The heat request is not performed through a room thermostat, but the boiler flow temperature is managed by a 0-10 Volt device connected to input H2-M of the EM.



Parameters Setting

NOTE: the parameters (from 6020 to 6052) are related to the fact that the EM is set as Extension Module 1 (switch position 1:ON, 2:OFF). If the EM address is 2 or 3, consider the related parameters.

MENU	PARAMETER	VALUE	DESCRIPTION
Configuration	5710	OFF	Disable Heating circuit 1
Configuration	5715	OFF	Disable Heating circuit 2
Configuration	5721	OFF	Disable Heating circuit 3
Configuration	5977	None	Disable RT on terminal board M1
Configuration	6020	Multifunctional	Enable EM 1
Configuration	6046	User Request CH1 10V	Input configuration H2-M
Configuration	6049	0,5 V	Signal description (Min. Temp.)
Configuration	6050	250	Signal description (Min. Temp.)
Configuration	6051	10 V	Signal description (Max. Temp.)
Configuration	6052	800	Signal description (Max. Temp.)

The heating circuits 1-2-3 must be disabled.

With parameters 6049-6050 25°C is defined as minimum temperature for a 0-0,5 V signal.

With parameters 6051-6052 80°C is defined as maximum temperature for a 10 V signal.

NOTE

If required in the system:

MENU	PROGRAM LINE	VALUES TO BE SET	DESCRIPTION
Configuration	5890	Secondary circuit HC1 Q15	Configure the pump on terminals 6-7 of M3 in the boiler
Configuration	5892	DHW control element Q3	Configure the DHW pump on terminals 4-5 of M3 in the boiler
Configuration	6030	Alarm output K10	Configure the alarm signal on output QX21-N of AGU 2.550



Quality Environment Safety

are Baxi strategic aims and the awarded certifications ensure compliance with the specific regulations

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