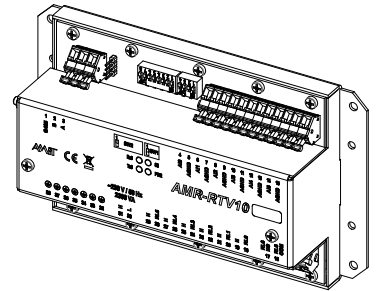


# AMR-RTV10/01

Heat Source Controller

- 6 × analogue input Ni1000 / passive contact
- 6 × relay output, switching phase
- 1 × relay output, contact
- 1 × RS485
- Power supply 230 V AC



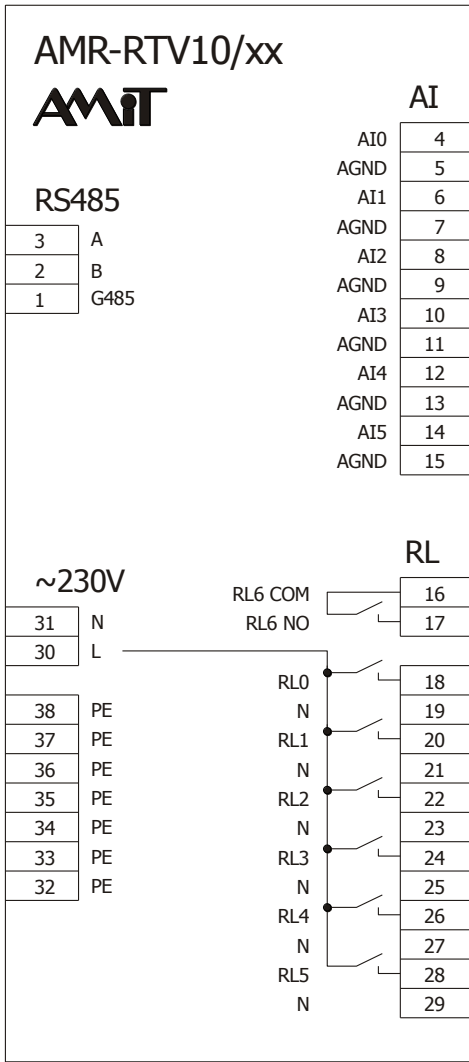
## TECHNICAL DATA

<b>Inputs Ni1000 / non-potential</b>	6
Accuracy	T = -50 °C    0,6 °C T = 0 °C      0,8 °C T = 150 °C    1,5 °C
Thermal dependence	70 ppm/°C
R <sub>MAX</sub> for Log.1	< 1000 Ω
R <sub>MIN</sub> for Log.0	> 1300 Ω
Overvoltage protection of input	Diodes
Galvanic separation	No
<b>Relay outputs</b>	7
Output type	6 × switching phase 1 × non-potential contact
Max. output current	230 V AC / 24 V DC 4 A
Max. cumulative current	10 A
Galvanic separation	Yes
Max. operation voltage of GS	500 V
Max. switched voltage (non-potential contact)	250 V
Contact lifetime	Without load > 30×10 <sup>6</sup> cycles
<b>Communication</b>	1 × RS485
Galvanic separation	No
Communication rate	9600 bps to 57600 bps
Max. number of units on RS485 line	256
<b>Power supply</b>	230 V AC ±10 %
Power consumption (without outputs)	Max. 30 mA at 230 V AC
<b>Others</b>	
Cover protection rate	IP55
Operating temperature range	0 °C to 50 °C
Max. ambient humidity	< 95 % non-condensing
Mounting	On-wall
Weight	800 g
Dimensions (w × h × d)	(253 × 203 × 89) mm
<b>Programming</b>	DetStudio / EsiDet

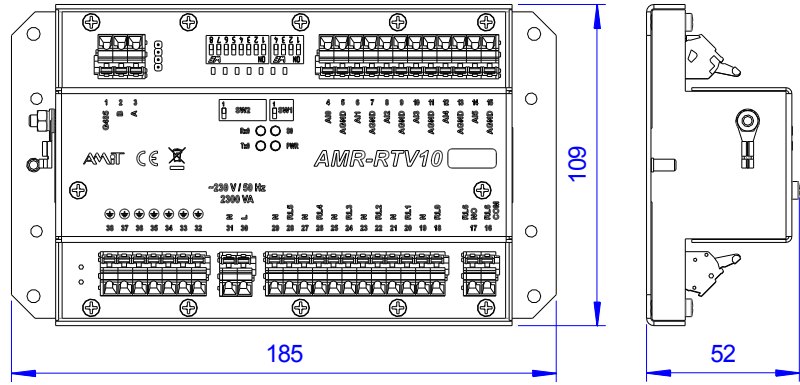
## ORDERING INFORMATION

<b>AMR-RTV10/01</b>	Heating source controller, user's manual, warranty card
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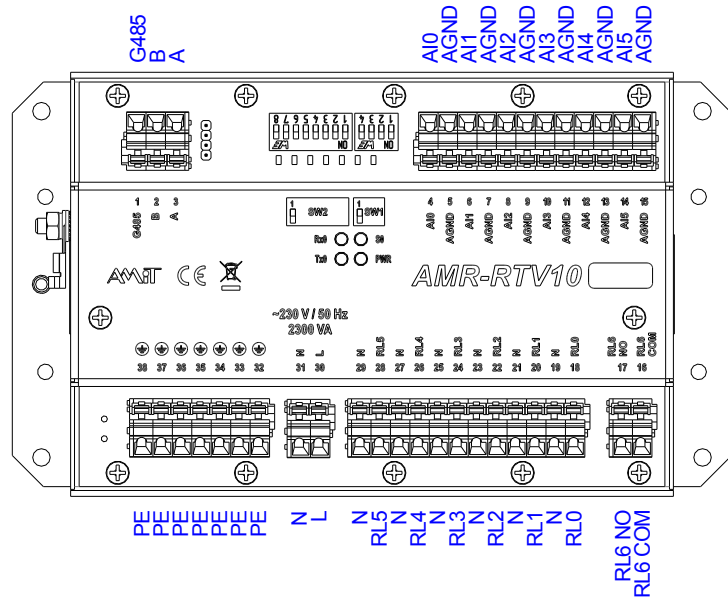
**RECOMMENDED DIAGRAM SYMBOL**



**PHYSICAL DIMENSIONS**



**TERMINAL LOCATION**



**TERMINALS ASSIGNMENT**

Terminal	Label	Assignment	Terminal	Label	Assignment
1	G485	RS485, ground	20	RL1	Relay output 1, switching phase
2	B	RS485, B line	21	N	Neutral wire
3	A	RS485, A line	22	RL2	Relay output 2, switching phase
4	AI0	Analogue input 0	23	N	Neutral wire
5	AGND	Analogue ground	24	RL3	Relay output 3, switching phase
6	AI1	Analogue input 1	25	N	Neutral wire
7	AGND	Analogue ground	26	RL4	Relay output 4, switching phase
8	AI2	Analogue input 2	27	N	Neutral wire
9	AGND	Analogue ground	28	RL5	Relay output 5, switching phase
10	AI3	Analogue input 3	29	N	Neutral wire
11	AGND	Analogue ground	30	L	Power supply 230 V AC, phase
12	AI4	Analogue input 4	31	N	Power supply 230 V AC, neutral wire
13	AGND	Analogue ground	32	PE	Protective earth conductor
14	AI5	Analogue input 5	33	PE	Protective earth conductor
15	AGND	Analogue ground	34	PE	Protective earth conductor
16	RL6 COM	Relay output 6	35	PE	Protective earth conductor
17	RL6 NO	Relay output 6, switching contact	36	PE	Protective earth conductor
18	RL0	Relay output 0, switching phase	37	PE	Protective earth conductor
19	N	Neutral wire	38	PE	Protective earth conductor