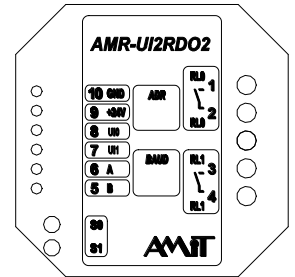


# AMR-UI2RDO2

Sub-plaster module

- 2× relay output
- 2× universal input
- 1× RS485
- Power supply 24 V DC



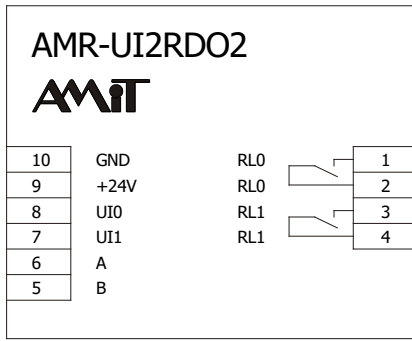
## TECHNICAL DATA

<b>Outputs</b>	2×	
Output type	Switching relay contact	
Galvanic insulation of outputs	Yes	
Nominal voltage current	250 V AC / 30 V DC 3 A (resistance load)	
Contact lifetime	Without load > 10 <sup>7</sup> cycles with nominal load > 10 <sup>5</sup> cycles	
Connection point	Screw terminal, conductor 0.5 mm <sup>2</sup> to 1.5 mm <sup>2</sup>	
<b>Inputs</b>	2×	
Type of input	Ni1000 / Potential-free	
Accuracy	Ni1000/6180 Ni1000/5000 Pt1000/3850	< 0.8 °C < 0.9 °C < 1.5 °C
Temperature dependence	70 ppm / °C	
R <sub>max</sub> for log. 0	< 1,000 Ω	
R <sub>min</sub> for log. 1	> 1,300 Ω	
Galvanic insulation of inputs	No	
Connection point	Screw terminal, conductor 0.14 mm <sup>2</sup> to 1 mm <sup>2</sup>	
<b>Communication</b>	1× RS485	
Galvanic separation	No	
Communication rates	9,600 bps up to 57,600 bps	
Number of modules on RS485 segment	256	
Line termination	External	
Connection point	Screw terminal, conductor 0.14 mm <sup>2</sup> to 1 mm <sup>2</sup>	
<b>Power supply</b>	10 V DC to 30 V DC.	
Power consumption	Max. 100 mA at 24 V DC	
Others		
Mechanics	Plastic cover	
Mounting	Into sub-plaster junction box	
Operating temperature range	0 °C to 50 °C	
Storage temperature range	0 °C to 50 °C	
Weight	40 g ±5 %	
Dimensions (w × h × d)	(49 × 49 × 25) mm	
<b>Programming</b>	DetStudio / EsiDet	

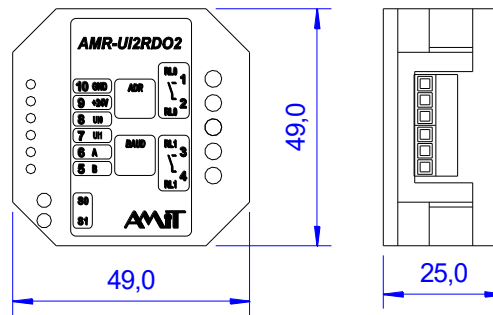
## ORDERING INFORMATION

<b>AMR-UI2RDO2</b>	Sub-plaster module
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## DRAWING SYMBOL



## MECHANICAL DRAWING



## TERMINAL'S IDENTIFICATION

PIN	Signal	Signal type on AMR-DI2RDO2
1	RL0	Relay contact 0
2	RL0	Relay contact 0
3	RL1	Relay contact 1
4	RL1	Relay contact 1
5	B	RS485, B
6	A	RS485, A
7	UI1	Universal input 1
8	UI0	Universal input 0
9	+24V	Power supply 24 V DC
10	GND	Common ground

## MEANING OF LEDS

LED	Light	Meaning
S0	Blinking 0.1 s for 1 s	Indication of going-through.
	Blinking 0.2 s	Loader is launched.
	Blinking 0.5 s	Application run.
	Irregular blinking	Error is indicated.
S1		Reserved for future use.

## BUTTON FUNCTION

Pressing length	Action
> 1 s After turning-on	Loader with original communication parameters is launched.
> 3 s, but < 10 s While application is running	Loader with original communication parameters is launched.
> 10 s	Loader with fundamental communicating parameters address 1, 38,400 bps, even parity is launched. The original application is launched after each further start.

## SETTING COMMUNICATION PARAMETERS

Loader is implemented in the device by manufacturer, with communication parameters – address 1, speed 38,400 bps, even polarity. Communication parameters can be changed from PC via DetStudio development environment or AMRconfig utility.

Creation of new application program is possible only via DetStudio/EsiDet development environment.

Application program download can be performed via DetStudio development environment, AMRConfig utility or AMRdownload utility.

Application programs can be downloaded from [www.amitotation.com](http://www.amitotation.com) web site.

Data provided in this datasheet are only informative. Detailed information can be found in operational manual ([amr-ui2rdo2\\_g\\_en\\_xxx.pdf](#)). Documentation and examples can be downloaded from [www.amitotation.com](http://www.amitotation.com) web site.

**Usage of system peripherals depends on current possibilities of DetStudio / EsiDet development environment**