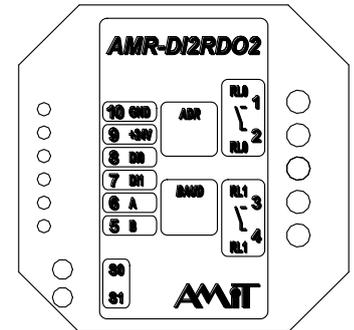


AMR-DI2RDO2

Flush mounted programmable I/O module

- 2 × relay output
- 2 × passive contact
- 1 × RS485
- Power supply 24 V DC



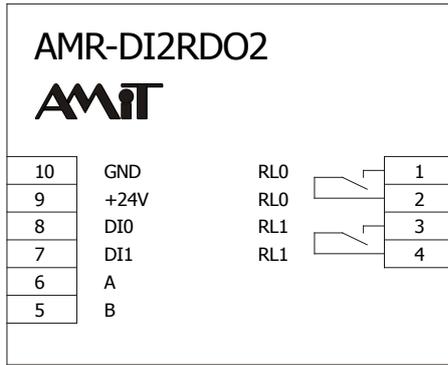
TECHNICAL DATA

Outputs	2 ×
Output type	Normally opened relay
Galvanic separation of outputs	Yes
Nominal voltage current	250 V AC / 30 V DC 3 A (resistive load)
Contact lifetime	Without load > 10 ⁷ cycles At rated load > 10 ⁵ cycles
Connection	Screw terminals Wire profile from 0,5 mm ² to 1,5 mm ²
Inputs	2 ×
Input type	Non-potential
Galvanic separation of inputs	No
Connection	Screw terminals, Wire profile from 0,14 mm ² to 1 mm ²
Communication	1 × RS485
Galvanic separation	No
Communication rates	9600 bps to 57600 bps
Max. number of modules on RS485 line	63
Max. number of modules on RS485 segment	63
Line termination	External
Connection	Screw terminals, Wire profile from 0,14 mm ² to 1 mm ²
Power supply	
Power supply	24 V DC ±20 %
Power consumption	Max. 100 mA at 24 V DC
Others	
Mechanic	Plastic cover
Mounting	Flush box mounting
Operating temperature	0 °C to 50 °C
Storage temperature	0 °C to 50 °C
Weight	60 g
Dimensions (w × h × d)	(49 × 49 × 25) mm
Programming	DetStudio / EsiDet

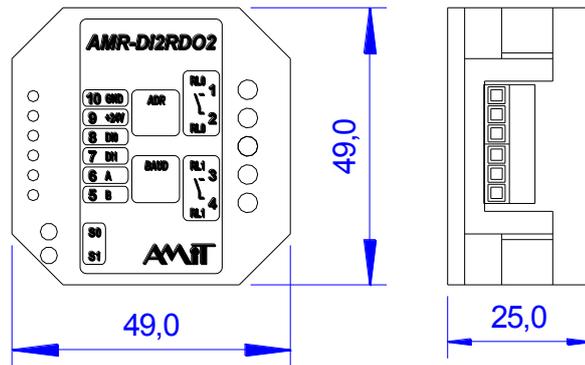
ORDERING INFORMATION

AMR-DI2RDO2	Flush mounted programmable I/O module, user's manual, warranty card
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RECOMMENDED DIAGRAM SYMBOL



PHYSICAL DIMENSIONS



TERMINALS ASSIGNMENT

	Signal	PIN	Signal type on AMR-DI2RDO2
Outputs	RL0	1	Relay contact 0
	RL0	2	Relay contact 0
	RL1	3	Relay contact 1
	RL1	4	Relay contact 1
Inputs	B	5	RS485, B
	A	6	RS485, A
	DI1	7	Input 1
	DI0	8	Input 0
	+24V	9	Power supply 24 V DC
	GND	10	Common ground

LED ASSIGNMENT

LED	Shine	Assignment
S0	Permanently on	Application run (LOADER, safe application, customer application)
	Blink every 0,5 s	Button is pressed for more than 1 s and less than 10 s
	Blink every 0,2 s	Button is pressed for more than 10 s (S1 is permanently on)
S1	Permanently on	Run LOADER or safe application
	Blink every 0,5 s	Run customer application

BUTTON FEATURE

Pressing length	Action
> 1 s and < 10 s	Factory communication parameters are set*) and application is restarted.
> 10 s	Factory parameters are loaded and safe application is started. Customer application is deleted. After every following start there run safe application.

*) Factory setting is address 1 and communication rate 38400 bps.

PARAMETERS SETTING

Address and communication rate are set by service software from a PC. Software could be downloaded from www.amitautomation.com section Download / Service tools. **AMR-DI2RDO2** unit has to be connected point-point to the PC by USB/RS485 converter (for example type SB485S from AMIT). When communication port is set on the PC and button "Find" is pressed, the program shows the address and the communication rate of the unit. Parameters could be change in the window "Set" and after button "Write" is pressed new parameters are send to the **AMR-DI2RDO2** unit. This setting is then show in the window "Info". Range of address is from 1 to 63, communication rate could be choose from the four options: (9600, 19200, 38400, 57600) bps.