



# I/O MODULE

FOR DIVUS CIRCLE AND DIVUS CIRCLE small

## TECHNICAL DATA

I/O MODULE	
<b>CHARACTERISTICS</b>	
The I/O module can control external loads such as electric locks (variable load between 250 mA and 1.5A at 12-24V) and standard lightings (12 - 220V). The module is connected via RS 485 to the master DIVUS CIRCLE or CIRCLE small device and is able to execute the commands programmable on the CIRCLE device.	
<b>HARDWARE DESCRIPTION</b>	
<b>SPECIFICATION</b>	
POWER SUPPLY	12-50 V DC 12-35 V AC
OPERATING TEMPERATURE RANGE	-20°C ÷ 70°C
<b>CONNECTIVITY</b>	
RS 485	Max. distance 1km Max Bit rate: 115200 bps Terminal resistance settable via switch
<b>INPUTS/OUTPUTS</b>	
<b>DIGITAL INPUTS</b>	Amount: 4 optoisolated Input type: NPN Type of connection: open-drain, com to GND
<b>OUTPUTS</b>	Amount: 2 Output voltage: 12/24 V DC settable depend on supply voltage board Maximum current deliverable: 1,5 A (total)
<b>RELAYS</b>	Amount: 2 Maximum current: 6A resistive load Maximum tension: 250 VAC, 25 VDC Form C relays are SPDT and break the connection with one throw before making contact with the other (break-before-make)

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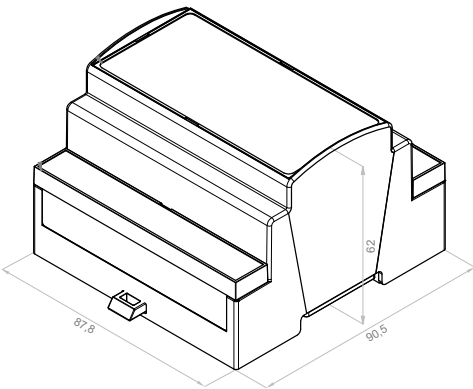
TECHNICAL DATA

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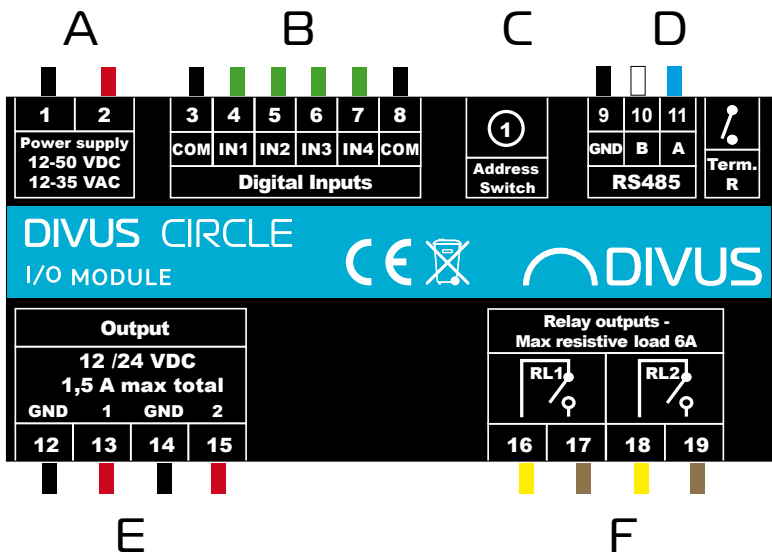
MECHANICAL DESCRIPTION

DIN RAIL MOUNTING BOX

The container for electronic instruments that can be hooked onto the DIN rail (EN60715) has been chosen according to DIN 438880 standards, as shown in the figure. It's a 5 modules unit.



CONNECTION DETAILS



- A. Power supply (reversible)
- B. 4 digital inputs
- C. Rotary switch for modbus address
- D. RS-485 - FTP AWG20/24 cable (Connect the cable shield to GND pin)
- E. 2 Programmable outputs 12/24 VDC (max. 1.5 A total) on both ports
- F. 2 Relay outputs to connect light, FCU, roller shutter motors, any other controlled load