

INSTALLATION INSTRUCTIONS

The DAT 3028 is suitable for fitting to DIN rails in the vertical position. For optimum operation and long life follow these instructions:

When the devices are installed side by side it may be necessary to separate them by at least 5 mm in the following case:

- If panel temperature exceeds 45°C and at least one of the overload conditions exist.

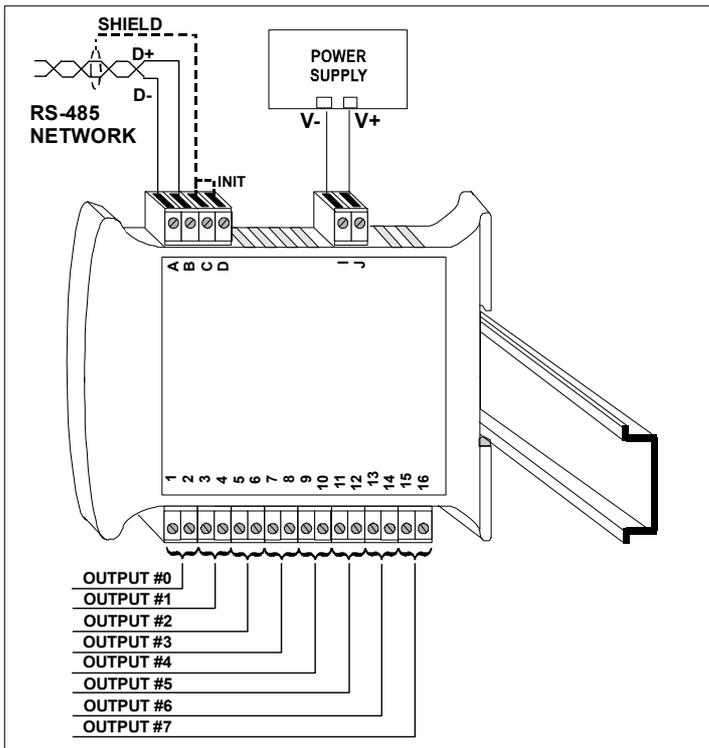
The overload conditions are the following:

- High supply voltage: >27Vdc

Make sure that sufficient air flow is provided for the device avoiding to place raceways or other objects which could obstruct the ventilation slits. Moreover it is suggested to avoid that devices are mounted above appliances generating heat; their ideal place should be in the lower part of the panel. Install the device in a place without vibrations.

Moreover it is suggested to avoid routing conductors near power signal cables (motors, induction ovens, inverters etc...) and to use shielded cable for connecting signals.

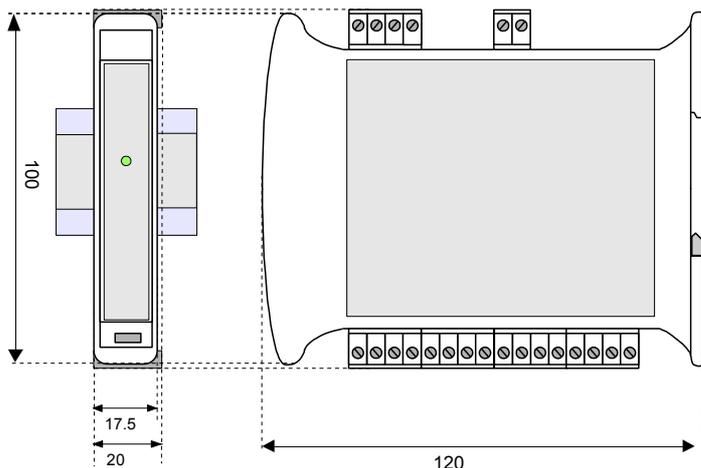
CABLING



LIGHT SIGNALLING

LED	COLOUR	STATE	DESCRIPTION
PWR	GREEN	ON	Device powered
		OFF	Device not powered / Wrong RS-485 cabling.
		FAST BLINK	Communication in progress (blink frequency depends to baud-rate)
		1 second BLINK	Watch-Dog Alarm condition

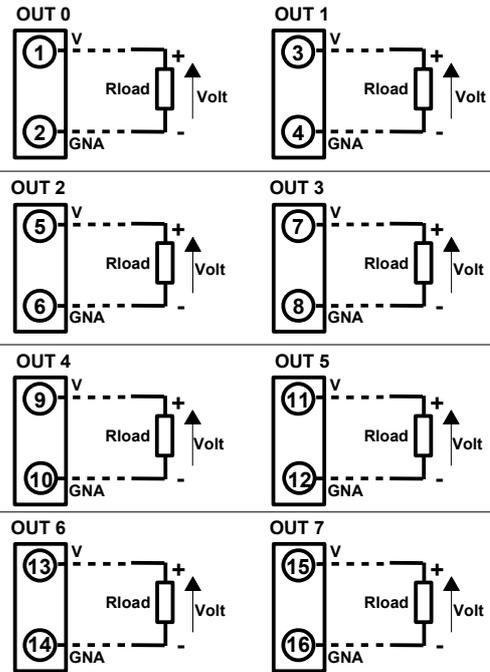
MECHANICAL DIMENSIONS (mm)



WIRING

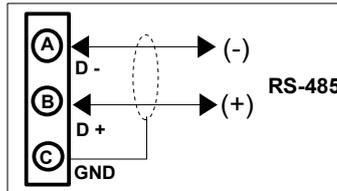
ANALOG OUTPUTS

VOLTAGE

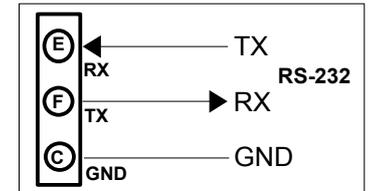


Note: the output channels are not isolated between them. Terminals GNA of channels connected between them.

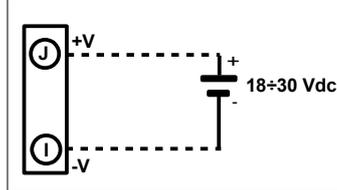
RS-485 NETWORK



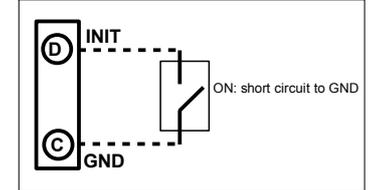
RS-232 NETWORK



POWER SUPPLY (*)



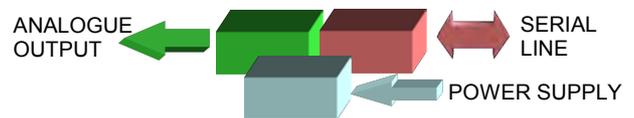
INIT



(*) Note: for UL installation the device must be powered using a power supply unit classified NEC class 2 or SELV

(**) Note: for RS232 version INIT and GND are inverted between them

ISOLATION STRUCTURE



HOW TO ORDER

In the order phase, it is mandatory to specify the interface type (RS485 or RS232). DAT3028 can be supplied with the configuration specified by the customer.

ORDER CODE:

DAT 3028 / 485

Interface type
485 : RS-485
232 : RS-232

■ = Requested
□ = Optional