

INSTALLATION INSTRUCTIONS

The device 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 is necessary to separate them by at least 5 mm if panel temperature exceeds 45°C. 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.

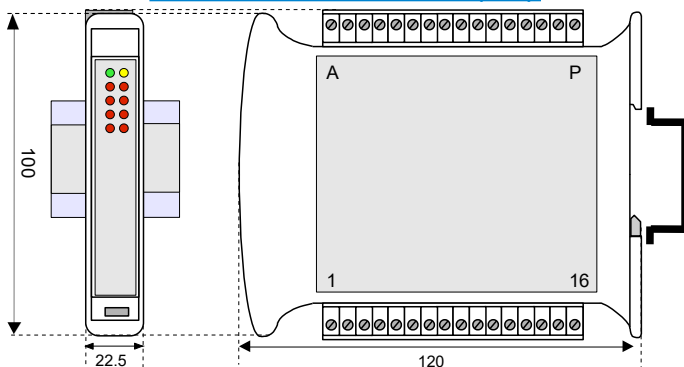
LIGHT SIGNALLING

LED	COLOR	STATE	DESCRIPTION
PWR	GREEN	ON	Device powered
		OFF	Device not powered
		BLINK	Watch-dog Alarm
STS	YELLOW	OFF	Correct working
RX	RED	BLINK	Data receiving from RS-485
		OFF	No Data receiving
		BLINK	Data Transmission on RS-485
TX	RED	BLINK	No Data Transmission
		OFF	No Data Transmission
		OFF	No Data Transmission
I(n)	RED	ON	Digital Input 'n': ON State
		OFF	Digital Input 'n': OFF State
R(n)	RED	ON	Digital Output 'n': ON State
		OFF	Digital Output 'n': OFF State

MODBUS REGISTERS MAPPING

Register	Description	Access
40001	--Reserved--	R/W
40002	Firmware Version	RO
40003		RO
40004	Name	R/W
40005		R/W
40006	--Reserved--	RO
40007	Address	R/W
40008	--Reserved--	RO
40009	Digital Input	RO
40010	Digital Output	R/W
40011	System Flags	R/W
40012	Enable Power Up/Safe Dig. Out	R/W
40013	Watch Dog Timer	R/W
40014+18	--Reserved--	RO
40019	Communication	R/W
40020+26	--Reserved--	RO
40027	Analog Input #1	RO
40028	Analog Input #2	RO
40029+32	--Reserved--	RO
40033	Analog Output #1	R/W
40034	Analog Output #2	R/W
41204	Reset Digital Counter	R/W
41205	Freq. Digital input #0	RO
41206	Freq. Digital input #1	RO
41207	Freq. Digital input #2	RO
41209+10	Counter Digital input #0 (32bit)	R/W
41211+12	Counter Digital input #1 (32bit)	R/W
41213+14	Counter Digital input #2 (32bit)	R/W
41217	Input Type	R/W
41221	Power Up Analog Output #1	R/W
41222	Power Up Analog Output #2	R/W
41223	Safe Analog Output #1	R/W
41224	Safe Analog Output #2	R/W

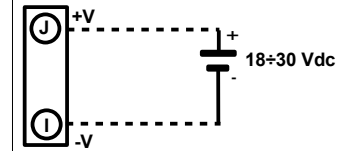
MECHANICAL DIMENSIONS (mm)



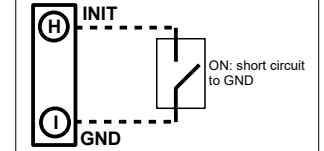
The symbol reported on the product indicates that the product itself must not be considered as a domestic waste. It must be brought to the authorized recycle plant for the recycling of electrical and electronic waste. For more information contact the proper office in the user's city, the service for the waste treatment or the supplier from which the product has been purchased.

WIRING

POWER SUPPLY(*)

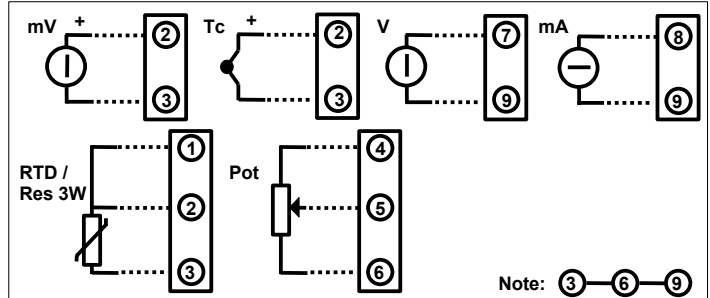


INIT

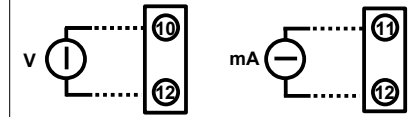


Note: for UL installation the device must be powered using a power supply unit classified NEC class 2 or SELV with limited energy

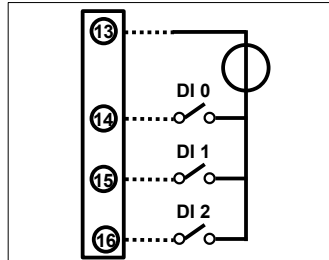
ANALOG INPUT 0 - UNIVERSAL



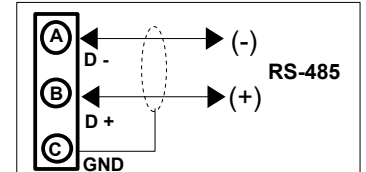
ANALOG INPUT 1 - V/mA



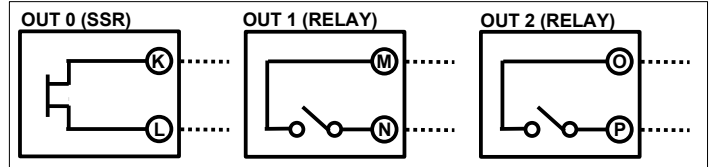
DIGITAL INPUTS



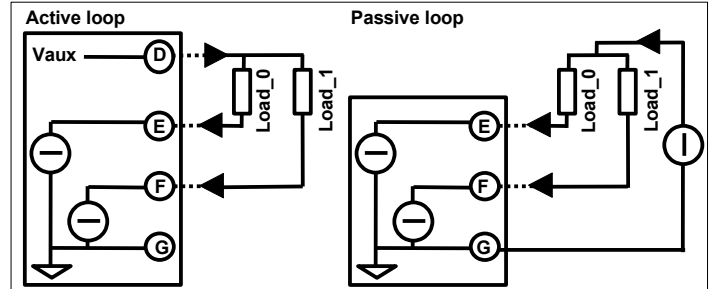
RS-485



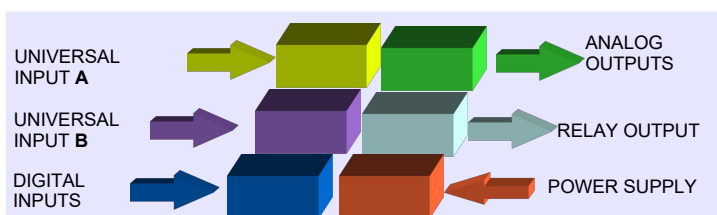
DIGITAL OUTPUTS



ANALOG OUTPUTS - mA



ISOLATION STRUCTURE



HOW TO ORDER

The device can be supplied with the configuration specified by the customer.

ORDER CODE

DAT3011 / Pt100 / 20 mA

Input type channel 1

Input type channel 2

■ = Requested
□ = Optional