



UNIVERSAL SIGNAL CONVERTER 4 way isolated - RS485 MODBUS- Datalogger

QA-OMNI



Advanced UNIVERSAL SIGNAL CONVERTER, USB configurable, DIN rail mounting, 4-way galvanically isolated, universal power supply AC/DC, Programmable alarm contact, RS485 Modbus. DATALOGGING via USB with pen drive stick memory and download storage data on excel importable files. RTC Real Time Clock integrated. CURRENT, VOLTAGE, FREQUENCY, POTENTIOMETER, TEMPERATURE (RTD and TC all types).



INPUT

VOLTAGE:

up to 10 Vdc programmable, input impedance 100 KOhm, 1mV resolution.

CURRENT:

up to 20 mA programmable, input impedance 20 Ohm, max resolution 2 A.

TEMPERATURE:

RTD: Pt100, Pt500, Pt1000, Ni100. 2,3 or 4 wire measure, automatic detection of cable interruption.

TC Types: J, K, R, S, T, B, E, N; automatic detection of cable interruption (-10mV to 70mV).

POTENTIOMETER: from 1000 Ohm to 10 KOhm.

FREQUENCY:

from 0,001 Hz to 9,99KHz, mechanical contact, npn 2 and 3 wires, pnp 3 wires with supply of 24 Vdc, namur, photoelectric, Hall sensor, variable reluctance, pulse 24 V, TTL.

OUTPUT

CURRENT:

0...20mA programmable, max load resistance 600 ohm.

VOLTAGE:

0...10V programmable, min load resistance 2 kohm.

CONTACT ALARM:

5A 230Vac SPDT relay fully programmable by FACILE QA-OMNI.

RS485 MODBUS:

bus connection on the base of module by adapter (option) or on terminals. Dip-switch for setting address and baudrate.

Table with specifications: POWER SUPPLY, RETRANSMISSION OUTPUT, ABSORPTION, PROTECTION INDEX, ACCURACY, RESOLUTION, REJECTION, THERMAL STABILITY AT 25°C, WORKING TEMPERATURE, STORAGE TEMPERATURE, ISOLATION, HUMIDITY, ALTITUDE, MOUNTING, CONNECTIONS, CE STANDARDS, DIMENSIONS, DATA LOGGER, CONFIGURATION.

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4-WAY GALVANIC ISOLATION

