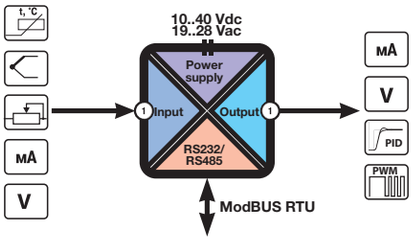


Z-DAQ-PID

2-CH UNIVERSAL ANALOG I/O MODULE WITH PID CONTROL

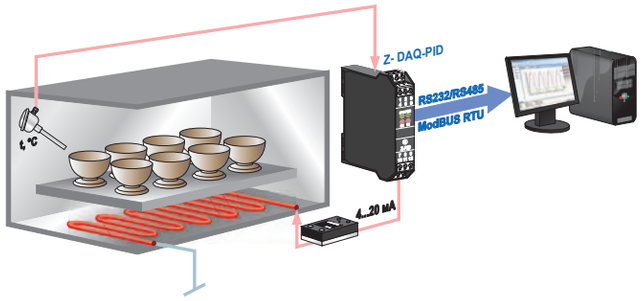


Z-DAQ-PID has a universal analog input (mA, V, PT100, TC, Ohm) and an active output 4..20 mA or 0..20 mA for continuos or PWM (pulse-width modulation) loop control. This functionality can be disabled and the unit can be used as analog input and analog output indipendent from each other. The module is ModBUS Slave and can be coupled with any ModBUS Master device. A 3-way galvanic isolation among Power supply // input // RS485 circuits assures the integrity of your datas.

TECHNICAL SPECIFICATIONS

General Data	
Power supply	10..40 Vdc / 19..28 Vac / 50-60 Hz
Power consumption	2,0 W
Isolation	1.500 Vac (4 way)
Power transducers	Yes
Status Indicators	Power supply, error, data transmission, data reception, input status
Protection Degree	IP20
Operating Temperature	-10..+65 °C
Dimension (W x H x D)	17.5 x 100 x 112 mm
Mounting	35 mm DIN rail guide
Communication, Memory Process	
Interface	2 wire RS485
Speed	Up to 115.200 bps
Protocol	ModBUS RTU slave
Communication Time	< 10 ms (38400 baud)
Distance	Up to 1.200 m
Connectivity	Max 32 nodes
Data Memory	EEPROM for the configuration parameters, retention time 10 years
Signals	
Channel Numbers	2
Input	N.1 Voltage (0..10V) Current (0/4..20mA) Potentiometer (1KΩ..100KΩ) Thermocouple (J,K,R,S,T,B,E,N) RTD (PT100,PT500,PT1000,NI100)
Output	N.1 Voltage (0..5V, 0..10V) Current (0..20mA,4..20mA)
Programming	
DIP switches	Baud rate, node, parity, serial port, bit stop, termination line
Software	EASY Z-DAQ-PID (plug&play)
Operating Modality	Conversion with PID Conversion without PID Analogue output without PID Special PWM (pulse-width modulation
Standard	
Approval	CE
Norms	EN 50081-2; EN 55011; EN 50082-2; EN 61000-2-2/4; EN 50140/141; EN 61010-1

APPLICATION NOTE



ORDER CODES

Code	Description
Z-DAQ-PID	2-CH universal analog I/O module with PID control/ RS485, 10..40 Vdc / 19..28 Vac

ACCESSORIES & SOFTWARE



Z-PC-DIN
Backplane for power & bus communication
pg. 36



Z-SUPPLY
Switching power supply
pg. 36

EASY SETUP
Plug&Play configuration software
pg. 36

SIMILAR PRODUCTS



Z-4RTD2
4-CH RTD input module / RS485
pg. 19



Z-4TC
4-CH thermocouple/mV input module / RS485
pg. 20



Z-4AI
4-CH analog input module / RS485
pg. 16

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000