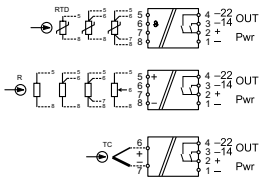
THRESHOLD MONITORING FOR TEMPERATURE SENSOR

- **Input: PT100, PT1000, thermocouples, potentiometers**
- **Output: 2 semiconductor NO contacts**
- **Insulation: 2.5 kVac, 2-way isolation**
- **FDT/DTM software programmable ranges**

NOTE

(1) Input and output signal range, can be selected using a DIP-switch or customised using FDT/DTM software and LCONZUSB interface

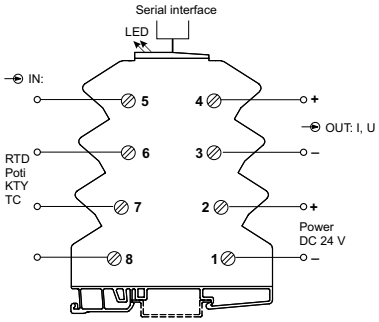


Programming kit X756894

CODE	X756370
TYPE	LCONTLS
INPUT TECHNICAL DATA	
Signal type IN	PT100, PT1000, potentiometer, thermocouples (B, C, E, J, K, N, R, S, T)
Input range IN	-200...+2400 °C (based on sensor) or 0...600 kΩ
Maximum voltage current signal IN	—
Input impedance IN	—
Hysteresis	—
Parametrization IN	FDT/DTM software (1)
OUTPUT TECHNICAL DATA	
Signal type OUT	2 NA contacts (solid state relay)
Output range OUT	30 Vdc / 100 mA
Status indication OUT	LED
Operating mode OUT	limit value, window, trend, inversion and memory
Parametrization OUT	FDT/DTM software (1)
GENERAL TECHNICAL DATA	
Power supply voltage	24 Vdc (16.8...30 Vdc)
Current consumption	12 mA
Auxiliary output voltage	—
Accuracy	0.2% FSR (voltage output) / 0.4% FSR (voltage output)
Linearity error	±0.1% FSR
Temperature coefficient	<100 ppm/K
Setting time	5...500 ms (adjustable, default 30 ms)
Transmission frequency	—
Resolution	16 bit
Rise time	—
Operating temperature range	-40...+70°C
Insulation	2.5 kVac / 60 s
Insulation type	2-way (IN / OUT)
Standard approvals	—
EMC Standards	—
Overvoltage category / Pollution degree	II / 2
Protection degree	IP 20
Connection terminal IN / OUT	1.5 mm² / 1.5 mm² (screw)
Housing material	UL94V-0 plastic material
Dimensions	6.2x90x115.5 mm
Approximate weight	40 g
Mounting information	on a rail, side by side
APPROVALS	CE
ACCESSORIES	
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail (IEC60715/TH35-15)	—
Marking tag	—
Plugin jumper red	CWBK 7-0802 (code X766802)
Plugin jumper white	CWBK 7-0803 (code X766803)
Plugin jumper blue	CWBK 7-0804 (code X766804)
Programming kit	LCONZBUSB (code X756894)

APPLICATIONS

LCONAASP is a programmable 4-way isolated converter, it allows to convert, amplify and duplicate a standard analog signal. Input can be set to the standard analog signals 0 ... 20 mA, 4 ... 20 mA and 0 ... 10 V, the signal is isolated, converted and duplicated into two independent signals that can be set to 0 ... 20 mA, 4 ... 20 mA and 0 ... 10 V.
The ranges can be set easily through a DIP switch



CONVERTERS