

Temperature limit value switch

- For PT100, PT1000 sensors, thermocouples, potentiometers
- 3 ways I/O 2.5 kV isolation
- 145 programmable input ranges via dip-switch and customizable via software FDT/DTM™
- 2 threshold customizable via software FDT/DTM
- Compact dimension, 6.2 mm pitch



NEW
cabur



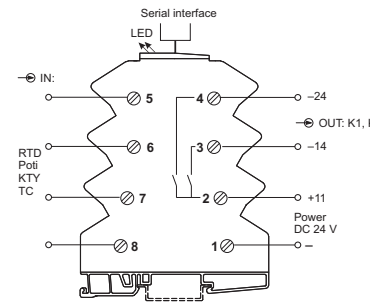
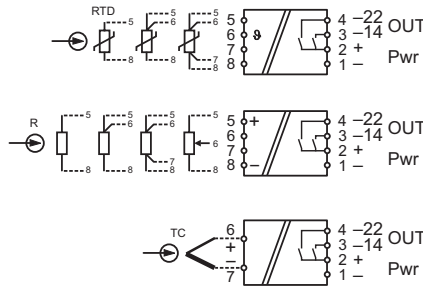
Programming tool X756894



NOTES

- The dimensions includes the DIN clamp.
- (1) Version with spring-clamp terminals available on request
 - (2) Input temperature ranges can be set via dip switch and adjustable via FDT/DTM software. Output ranges can be set via FDT/DTM software
 - (3) 3-way isolation: IN/OUT/power supply

BLOCK DIAGRAM



VERSIONS

With screw terminals (standard)

With spring terminals

Programming tool

INPUT TECHNICAL DATA

Input signal

Temperature range

OUTPUT TECHNICAL DATA

Threshold regulation

Contact type

Max. switching voltage / current

Status indication

Operating mode

GENERAL TECHNICAL DATA

Supply voltage

Rated current

Accuracy

Data processing

Linearity error

Temperature coefficient

Response time

Isolation

ECM standards

Reference Standard

Overvoltage category / Pollution degree

Protection degree

Operating temperature

Connection terminal

Housing material

Approx. weight

Mounting information

MOUNTING ACCESSORIES

Mounting rail type according to IEC60715/TH35-7.5

Mounting rail type according to IEC60715/G32

Plug-in jumper

red

white

blue

Cod. X756370

Cod. X756894

LCONTLSFDT

(1)

LCONZBUSB

PT100, PT1000 sensor
potenziometer 0...600kΩ
thermocouple B, C, E, J, K, N, R, S, T type
-200...+1400°C, according to sensor type (2)

programmable via software FDT/DTM

2 NO contact (solid state relay)

30 Vdc / 100 mA

2 yellow LED

limit value, window, tendency, inverting and hold function

24 Vdc (16.8...30 Vdc)

18 mA max. @ 24 Vdc

10K/span(K) + 0.2% FS (for RTD) / 10K/span(K) + 0.4% FS (for TE)

24 bit

±0.05% FS (for RTD and potentiometer) / ±0.1% FS (for TE)

<100 ppm/°C

5...500 ms (regolabile, default 30 ms)

2.5 kVac / 60 s (3)

EN 61000-6-2, EN 61000-6-4

IEC 664-1, DIN VDE

III / 2

IP 20 IEC 529 EN60529

-40...+70°C

1.5 mm² fixed screw type

PPE

40 g (1.41 oz)

vertical on rail adjacent without gap

PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB

CWBK 7-0802 cod. X766802

CWBK 7-0803 cod. X766803

CWBK 7-0804 cod. X766804

APPLICATIONS

CWTPR 7-0370 is a temperature to analogue signal conversion module that provides high accuracy measurement and that can be connected to a wide range of temperature sensors. The module can be used for a temperature range from -200 to +1.400°C. With resistive sensors it is possible to select among 2, 3, 4 wire connections.

Input range and the output thresholds can be modified with a FDT/DTM software and an USB interface.

Two normally open contact with solid state relay are available.