

TCPDE M

- ANALOGUE CONTROLLER
- ON/OFF AND PD CONTROL
- RANGES FROM 100 TO 1200°C



FEATURES

INPUTS		TCPDE M
2 different configurations		Thermocouples J, K Thermoresistances Pt 100 IEC
Accuracy		±5% f.s.
OUTPUT		
One		OUT 1: Relay 8A-AC1 (3A-AC3)/250Vac or 20 mA/12 Vdc to drive SSR
FUNCTIONAL		
Control		ON/OFF, PD Ranges available from 100 to 1200°C:
		0... 100°C (Pt100 only)
		0... 200°C
		0... 250°C
Ranges		0... 350°C
		0... 600°C
		0... 1000°C
		0... 1100°C
		0... 1200°C
GENERAL		
Power supply		24... 240 Vac ±10% (50/60 Hz)
Power consumption		3 VA approx.
Dimensions / Weight		48 x 48 mm (1/16 DIN) - depth 89 mm / 200 g approx.
Connections		Faston 6.3 mm terminals or Octal socket
Mounting		Flush in panel in 45.5 x 45.5 mm hole
Front protection degree		IP 54, mounted on panel with gasket
Operating / storage temperature		0... +50°C (32... +122°F) / -25... +60°C (-13... +140°F)
Operating humidity		30... 95 RH% without condensation
Conformity		Directive EMC 2004/108/CE (EN 61326), Directive BT 2006/95/CE (EN 61010-1)

HOW TO ORDER

To compose the part number, pls. choose one of the option for each variable

TCPDE M	CODE
RANGES	
0... 100°C (PT100 only)	1
0... 200°C	2
0... 350°C	3
0... 600°C	4
0... 1000°C	6
0... 1200°C	7
0... 250°C	8
0... 1100°C	9
POWER SUPPLY	
24... 240 Vac	U
INPUT	
J	J
K	K
PT100	P
OUTPUT	
Relay	R
0... 12 V for SSR driving	T
WIRING DIAGRAM	
Thermocouples	31
Thermoresistances (*)	32
Thermocouples	33
Thermocouples	34
Thermocouples	35
CONNECTIONS	
Faston	F
Octal	0
CONTROL	
ON/OFF	0
PD	P

(*) max. range for PT100 input: 350°C

CONNECTIONS

TCPDE M – TC INPUT

TCPDE M – PT100 INPUT

SSR: 12 VDC; 20 mA

DIMENSIONS

TCPDE M

The dimensions are expressed in mm