

# M48I



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

## FEATURES

INPUTS		M48I
3 different configurations		Thermocouples J
		Thermocouples K
		Thermoresistances Pt 100 IEC 2 wires
Accuracy		±2% f.s.
OUTPUT		
One		OUT 1: Relay 8A-AC1 (3A-AC3)/250Vac or 12 Vdc for SSR driving
FUNCTIONAL		
Control		ON/OFF, PD
Ranges		Ranges available from 100 to 1200°C:
		0... 100°C (Pt100 only)
		0... 200°C
		0... 250°C
		0... 350°C
		0... 600°C
		0... 800°C
		0... 1000°C
	0... 1100°C	
	0... 1200°C	
GENERAL		
Power supply		24... 240 Vac ±10% (48/63 Hz)
Power consumption		3.5 VA approx.
Dimensions / Weight		48x48 mm (1/16 DIN) - depth 70.6 mm (+7; +7.5; +10 depending on the type of terminal block) / approx. 300 g
Connections		Fixed or plug-in screw terminal block for 0.2... 2.5 mm <sup>2</sup> /AWG 24... 14 cables 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) / -10... +60°C (14... +140°F)
Operating humidity		<95 RH% without condensation
Conformity		Directive EMC 2004/108/CE (EN 61326), Directive BT 2006/95/CE (EN 61010-1)

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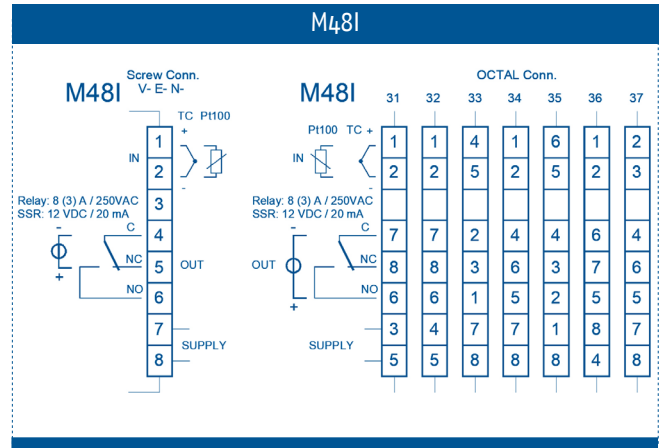
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# HOW TO ORDER

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

M48I	CODE
<b>POWER SUPPLY</b>	
24... 240 Vac	U
<b>INPUT</b>	
J	J
K	K
PT100 2 wires	P
<b>OUTPUT</b>	
Relay	R
12 V for SSR driving	T
<b>RANGES</b>	
0... 100°C (PT100 only)	1
0... 200°C	2
0... 350°C	3
0... 600°C	4
0... 800°C	5
0... 1000°C	6
0... 1200°C	7
0... 250°C	8
0... 1100°C	9
<b>CONTROL</b>	
ON/OFF	0
PD	P
<b>ACTION</b>	
Heating	H
Cooling	C
<b>CONNECTIONS</b>	
Plug-in type (complete)	E-
Plug-in type (fix part only)	N-
Screw type	V-
Octal - Electrical drawing 31 (TC)	31
Octal - Electrical drawing 32 (Pt100)	32
Octal - Electrical drawing 33 (TC)	33
Octal - Electrical drawing 34 (TC)	34
Octal - Electrical drawing 35 (TC)	35
Octal - Electrical drawing 36 (TC)	36
Octal - Electrical drawing 37 (Pt100)	37

# CONNECTIONS



# DIMENSIONS

