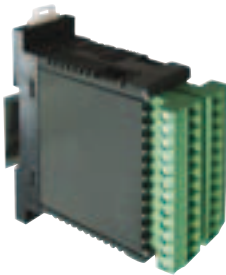


K30

- CONTROLLER WITH INDEPENDENT TIMER
- 8 SEGMENTS PROGRAMMER
- WATTMETER FUNCTION



FEATURES

INPUTS		K30
4 different configurations		Thermocouples: J (0... 1000°C / 32... 1832°F), K (0... 1370°C / 32... 2498°F), S,R (0... 1760°C / 32... 3200°F), T (0... 400°C / 32... 752°F) and Infrared sensors J or K + Thermoresistances: 3 wires Pt 100 (-200... 850°C / -328... 1562°F)
		Thermocouples: J (0... 1000°C / 32... 1832°F), K (0... 1370°C / 32... 2498°F), S,R (0... 1760°C / 32... 3200°F), T (0... 400°C / 32... 752°F) and Infrared sensors J or K + Thermistors: PTC KTY 81-121 (990Ω at 25°C) (-55... 150°C / -67... 302°F) and Thermistors: NTC 103AT-2 (10kΩ at 25°C) (-50... 110°C / -58... 230°F)
		Linear signals 0/4... 20mA
		Linear signals 0/10... 50mV, 0/12... 60mV, 0/1... 5V, 0/2... 10V
Accuracy		±0.5% fs + 1 digit; tc S ± 1% fs + 1 digit
Digital inputs		2 for free voltage contacts
OUTPUTS		
Up to 5		OUT 1 and OUT 2: Relay SPDT (8A-AC1, 3A-AC3/250 Vac) or 12V ±20% 20 mA max. to drive SSR OUT 3 and OUT 4: Relay SPST-NO (5A-AC1, 3A-AC3/250 Vac) or 12V ±20% 20 mA max. to drive SSR OUT 5: 12V ±20% 20 mA max. to drive SSR (always available on board)
Auxiliary power supply		12 Vdc/20 mA max.
FUNCTIONAL		
Control		ON/OFF, Neutral Zone, PID single and double action
PID functions		PID H/C control with overshoot control, Selftuning and 2 Autotuning algorithms
Multi Set Point		Up to 4 pre-programmable Set Point
Program		Up to 8 segments with guaranteed soak
Timer		Independent with 4 function modes
Signal retransmission		Del Set Point
Serial communication		RS485 con protocollo ModBus-RTU (JBUS)
Baud rate		1200... 38400 baud, programmabile
GENERAL		
Power supply		24 Vac/Vdc, 100... 240 Vac/Vdc ±10% (50/60 Hz)
Power consumption		6 VA approx.
Dimensions / Weight		78 x 35 mm - depth 75.5 mm or 78.5 mm with plug-in terminals / 180 g approx.
Mounting		On OMEGA DIN A rail
Connections		Plug-in terminals or Screw terminal block 2 x 1 mm²
Operating / storage temperature		0... 50°C (32... 122°F) / -30... 70°C (-22... 158°F)
Operating humidity		20... 85 RH% without condensation
Conformity		Directive EMC 2004/108/CE (EN 61326-1), Directive BT 2006/95/CE (EN 61010-1)



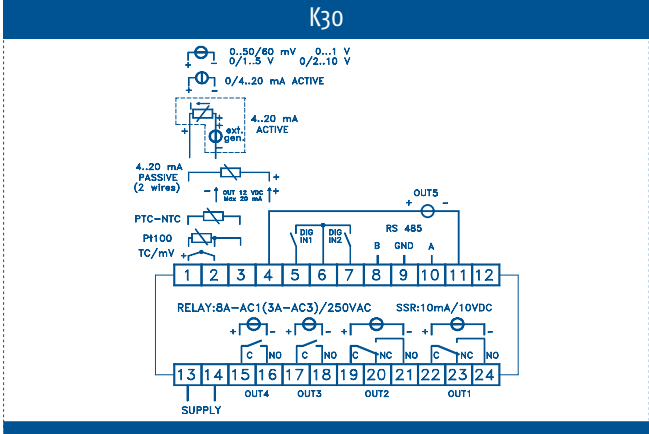
EVERYTHING UNDER CONTROL

HOW TO ORDER

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

K30	CODE
VERSION	
Controller	-
Controller + Timer	T
Controller + Timer + Programmer	P
POWER SUPPLY	
24 Vac/Vdc	L
100... 240 Vac	H
INPUT	
TC,PT100,mV	C
TC,PTC,NTC,mV	E
0/4... 20mA	I
0... 1V, 0/1... 5V, 0/2... 10V	V
OUT 1 / OUT 5 SSR (ALWAYS ON BOARD)	
Relay SPDT 8A-AC1	R
Vdc for SSR driving	0
OUT 2	
Relay SPDT 8A-AC1	R
Vdc for SSR driving	0
Not available	-
OUT 3	
Relay SPST-NO 5A-AC1	R
Vdc for SSR driving	0
Not available	-
OUT 4	
Relay SPST-NO 5A-AC1	R
Vdc for SSR driving	0
Not available	-
SERIAL COMMUNICATION	
RS485	S
TTL ModBus	-

CONNECTIONS



DIMENSIONS

