

KX6

- 3 DYNAMIC COLOUR LED DISPLAY
- INPUT FROM POTENTIOMETER
- SELF-CALIBRATION POTENTIOMETER
- SELF-PACED RUNNING TIME SERVOMOTOR

evolution



FEATURES

DISPLAY		KX6
3 displays, LED type		Upper (main) display: 15.5 dynamic three colours red, green and amber or 1 fixed selectable colour Central display: 4 digit height 10 mm (green colour) Lower display: 2 1/2 digit height 10 mm (green colour)
INPUTS		
Input 1 (configurable)		Thermocouples: J (-50... +1000°C/-58... +1832°F), K (-50... +1370°C/-58... +2498°F), S/R (-50... +1760°C/-58... +3200°F), T (-70... +400°C/-94... +752°F) Linear signals: 0/4... 20mA
Measurement accuracy		±0.5% span ±1 digit, (±1% span ±1 digit for T/c type S)
Input 2		Potentiometer 100 Ω... 10 kΩ (option)
Digital inputs		DI1: 1 contact input DI2: Isolated voltage input (24 VAC/DC or 110/230 VAC) (option)
OUTPUTS		
Up to four		OUT1: Relay SPST-NO 2A/240 VAC or analogue 0/4... 20 mA, 0/2... 10 V galvanically isolated OUT2: Relay SPST-NO 2A/240 VAC OUT3 and OUT4: Relay SPST-NO 2A/240 VAC (for resistive loads)
FUNCTIONAL		
Control		PID single action (direct or reverse) for servomotor control or linear output (mA/V), PID Heating or Heating/Cooling action. On/Off, On/Off with Neutral Zone, Autotune, Seltune and evoTune. Overshoot control
Alarms		2 alarms (configurable as absolute, deviation and band alarm)
Set Point		4 Set points selectable
Serial communications		TTL (standard) + RS485 (optional), protocol: MODBUS RTU
Communications speed		1200... 38400 baud selectable (8 bit + 1 stop bit, no parity)
Evogreen		Time based Display switch-off, selectable
Other functions		Self-calibration potentiometer Auto learning servomotor stroke time
GENERAL		
Power supply		100... 240 VAC/DC (-15... +10%), 50/60 Hz, power consumption 7 VA max.
Temperature		Operating: 0... 50°C (32... 122°F); Storage: -20... +70°C (-4... +158°F);
Relative humidity		20... 95 RH% with no condensation
Front removable		Instrument removable from the case without unwiring or opening the cabinet
Conformity		EN 61010-1, EN 61326

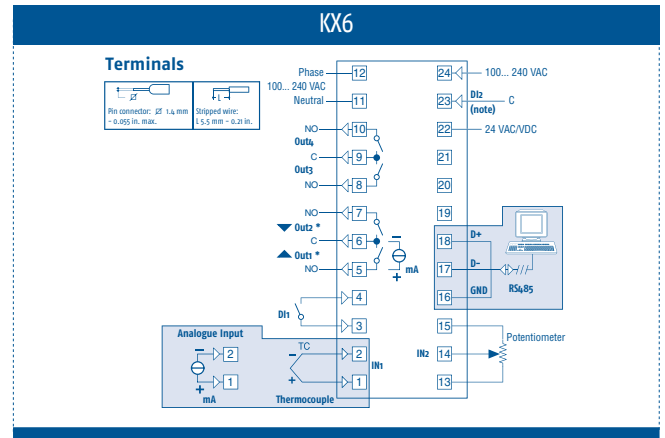
HOW TO ORDER

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

KX6	CODE
POWER SUPPLY	
100... 240 Vac	H
INPUT	
TC, mA, mV + digital input 1 (*)	B
OUT 1 + OUT2	
OUT1 + OUT2: Relay SPST-NO 2A for Servomotor driving	MM
OUT1: 0/4... 20 mA, 0/2... 10V galvanically isolated	I-
OUT2: Not available	
OUT 3	
Relay SPST-NO 2A	R
OUT 4	
Relay SPST-NO 2A	R
OPTIONS (TTL MODBUS IS ALWAYS AVAILABLE)	
Potentiometer input + Digital Input 2 + RS 485 Modbus	C
Potentiometer input + Digital Input 2	P
RS485 Modubus	S
None	-

(*) It's possible to obtain an input 0... 10V or 0... 5V, ordering the following part no, respectively:
 AP ADPINMV-KX-V10
 AD ADPINMV-KX-V5

CONNECTIONS



DIMENSIONS

