



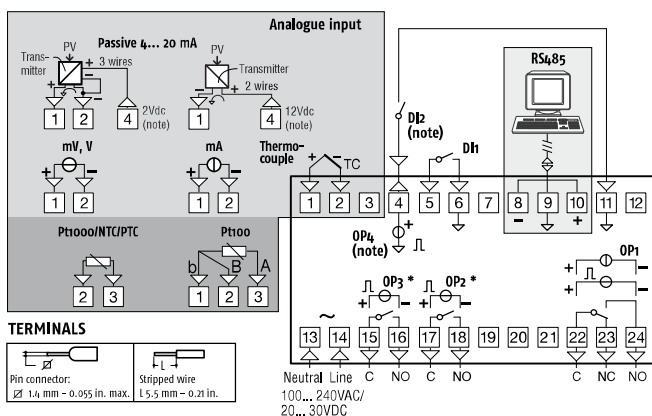
KR1 / KR3



Mechanical characteristics

PARAMETER	
Housing	Self-extinguishing plastic UL 94 v0
Mounting	Front panel
Dimensions	78 x 35 x 78 mm (w x H x P)
Panel cut-out	71 x 29 (-0... +0.6 mm)
Weight	About 140 g
Terminals	24 terminals for cables from 2.5 mm ² (AWG22.... AWG14): - on fixed or removable terminal block with screw terminals; - on terminal block with spring-load terminals
Protection degree	IP 65 mounted on the panel on the panel with gasket (IP20 for screw terminals) In conformity with En 60070-1 (only internal use)

Electrical connections



Note: Terminal 4 can be programmed as:
- Digital Input (DI2) connecting a free of voltage contact between terminals 4 and 11
- 0... 12 V SSR Drive Output (OP4) connecting the load between terminals 4 and 11

How to order

Model
 KR1 = Controller
 KR1T = Controller+ timer
 KR3 = Controller
 KR3T = Controller+ timer
 KR3P = Controller+ timer + programmer

Power supply
 H = 100... 240 VAC
 L = 24 VAC/DC

Analogue input + digital input DI (standard)
 C = J, K, R, S, T, PT100, PT 1000 (2 wires), mA, mV, V
 E = J, K, R, S, T, NTC, PTC, mA, mV, V

Output 1
 I = 4... 20 mA (KR3 only)
 R = Relay SPDT 4 A (resistive load)
 O = VDC for SSR

Output 2
 - = Not available
 R = Relay SPST 2 A (resistive load)
 O = VDC for SSR
 M = Relay SPST 2 A (servomotor drive KR3 only)(*)

Output 3
 - = Not available
 R = Relay SPST 2 A (resistive load)
 O = VDC for SSR
 M = Relay SPST 2 A (servomotor drive KR3 only)(*)

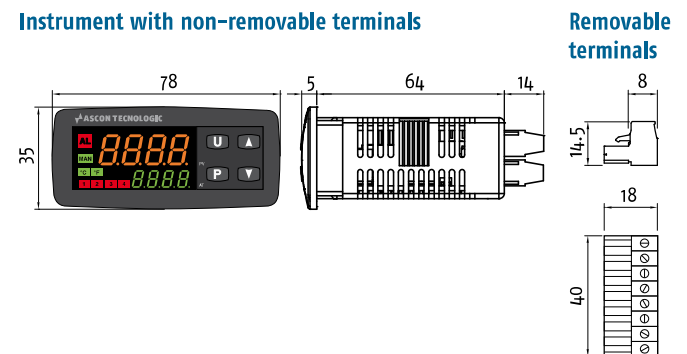
Input/Output 4
 D = Output 4 (VDC for SSR)/Power transmitter/Dig. Input DI2

Serial communication
 - = TTL Modbus
 S = RS485 Modbus + TTL Modbus

Connection type
 - = Standard (non-removable screw terminal block)
 E = With removable screw terminal block
 M = With removable spring terminal block
 N = With removable terminal block (fixed part only)

*: For servomotor drive, both OUT2 and OUT3 codes must be selected as "M".

Dimensions (mm)



*: For servomotor drive: **OUT2 = open, OUT3 = close.**