



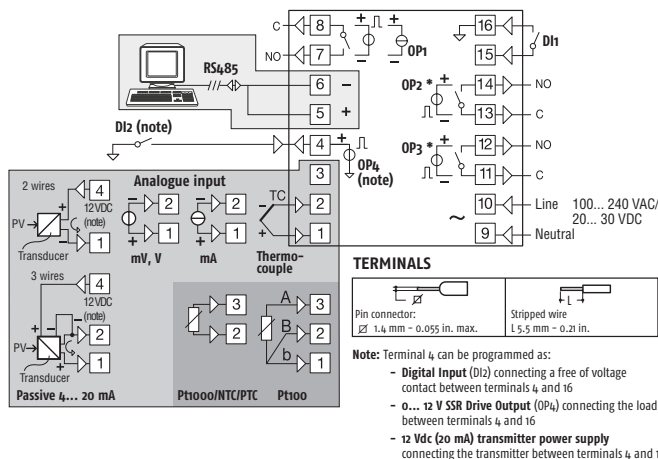
**KM1 / KM3**



**Mechanical characteristics**

PARAMETER	
Housing	Self-extinguishing plastic UL 94 v0
Mounting	Front panel
Dimensions	48 x 48 x 62 mm (w x H x P)
Panel cut-out	45 x 45 (-0... +0.6 mm)
Weight	About 120 g
Terminals	16 terminals for cables from 2.5 mm <sup>2</sup> (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 (internal use only)

**Electrical connections**



**How to order**

**Model**  
**KM1** = Controller  
**KM1T** = Controller+ timer  
**KM3** = Controller  
**KM3T** = Controller+ timer  
**KM3P** = Controller+ timer + programmer

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

**Analogue input + digital input DI1 (standard)**  
**C** = J, K, R, S, T, PT100, PT1000 (2 wires), mA, mV, V  
**E** = J, K, R, S, T, NTC, PTC, mA, mV, V

**Output 1**  
**I** = 4... 20 mA (**KM3 only**)  
**R** = Relay SPST 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 KM3 only**)(\*)

**Output 3**  
 - = Not available  
**R** = Relay SPST 2 A (resistive load)  
**O** = VDC for SSR  
**M** = Relay SPST 2 A (**servomotor drive KM3 only**)(\*)

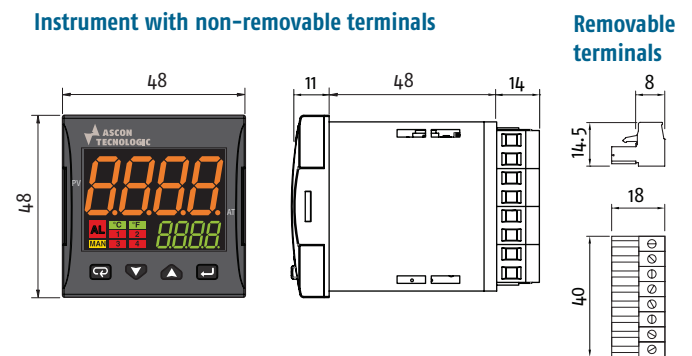
**Input/Output 4**  
**D** = Output 4 (VDC for SSR)/Power transmitter/Dig. Input DI2

**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.