

**CMS-10R-D****6 digital inputs | 4 relay outputs | 110 ... 240 V AC****Power supply**

Nominal voltage	110 ... 240 V AC
Operating voltage range	85 ... 255 V AC
Maximum power consumption AC	16 VA
Typical power consumption AC	5 VA
Rated frequency	45 ... 65 Hz

**Inputs**

Number of digital inputs	6
Operating voltage range digital inputs	85 ... 255 V AC
Logic high level digital inputs	> 85 V AC
Sampling rate	10 Hz
Measurement category	II

**Outputs**

Number of relay outputs	4
Contact type	CO
Contact material	⚡ AgNi
Rated voltage	250 V AC
Maximum switching voltage	400 V AC
Rated current	10 A
Minimum contact load relay outputs	10 mA, 12 V
Inrush current	80 A, 20 ms
Rated load AC-1	3 kVA
Electrical endurance at rated load AC-1	> 30 000

**Communication**

eSIM	Included
Communication standards	E-GSM (2G), E-UTRA (3G), LTE (4G)
Frequency bands Z1	E-GSM: B2, B3, B5, B8   E-UTRA: B1, B2, B4, B5, B6, B8, B19   LTE-FDD: B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B25, B26, B28   LTE-TDD: B38, B39, B40, B41
Coverage Z1	Worldwide
Frequency bands Z2	E-GSM: B3, B8   E-UTRA: B1, B8   LTE-FDD: B1, B3, B7, B8, B20, B28A
Coverage Z2	Europe, Middle East, Africa, South Korea, Thailand
Antenna connector	SMA female
Antenna impedance	50 Ω
Antenna return loss	> 10 dB

**Insulation**

Insulation type	Reinforced
Insulation rating between all ports	2 kV / 1 min
Pollution degree	2
Overvoltage category	II

**General data**

Ambient temperature storage (no ice)	-40 ... 85 °C
Ambient temperature operation	-25 ... 70 °C
Conductor cross section	2.5 mm <sup>2</sup> (Stand) / 4 mm <sup>2</sup> (Wire)
Nominal screw torque	0.5 Nm
Weight	280 g
Protection degree	IP20
Housing material	PA / PC

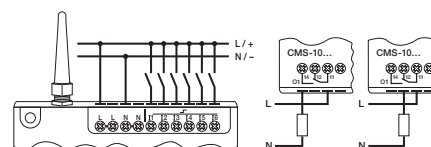
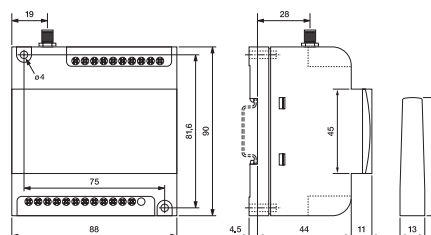
**Product reference**

Description	Type	110-240
CMS-10R-D Zone Z2	CMS-10R-D/AC...V-Z2	✓
CMS-10R-D Zone Z1	CMS-10R-D/AC...V-Z1	✓

“...” list control circuit voltage to complete product references.

**Accessories**

Additional accessories	See chapter 5.2
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**fig. 1. Wiring diagram****fig. 2. Dimension (mm)****Standards and approvals**

Standards IEC 60730-1; IEC 61000-6-2;  
IEC 61000-6-3

Approvals 