

CMS-10ACDF**4 analogue / digital inputs | 2 inputs 4 ... 20 mA | 4 relay outputs | 12 ... 48 V DC****Power supply**

Nominal voltage	12 ... 48 V DC
Operating voltage range	10 ... 60 V DC
Power consumption AC/DC	4.2 W

Inputs

Number of analogue inputs	2
Number of analogue / digital inputs	4
Nominal voltage digital inputs	12 ... 48 V DC
Nominal range analogue inputs	0 ... 10 V (I1 - I4) / 4 ... 20 mA (I5 - I6)
Resolution of analogue inputs	10 Bit

Outputs

Number of relay outputs	4
Contact Material	⚡ AgNi
Rated voltage	250 V AC
Rated current	10 A
Minimum contact load relay outputs	10 mA, 12V
Inrush current	15 A, 20 ms
Rated load AC-1	2500 VA
Mechanical endurance	3 x 10 ⁷
Electrical endurance at rated load AC-1	150 000

Communication

Communication standards	GSM (2G)
Frequencies	850 / 900 / 1800 / 1900 MHz
Antenna connector	SMA female

Insulation

Rated test voltage control / main circuit	2.5 kV, 1 min
Rated test voltage main / main circuit	2.5 kV, 1 min
Pollution degree	3
Overvoltage category	II

General data

Ambient temperature storage	-40 ... 85 °C
Ambient temperature operation	-25 ... 55 °C
Conductor cross section	2.5 mm ²
Nominal screw torque	0.5 Nm
Weight	120 g
Protection degree	IP20
Housing material	PC

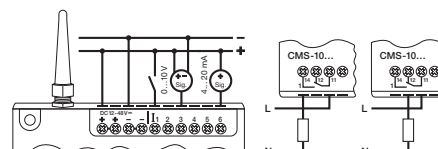
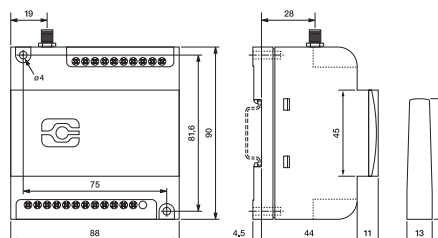
Product references

Types	Product reference	12-48
DC supply	CMS-10ACDF/DC...V	✓
DC supply, kit (*included accessories)	CMS-10ACDFKIT/DC...V	✓

"..." list control circuit voltage to complete product references.

Accessories

Antennas	CMS-ANT-SPEZ/5M, CMS-ANT-MAG/2.5M*
Antenna cables	CMS-ANT-KAB/5M, CMS-ANT-KAB/10M, CMS-ANT-KAB/20M
Programming cable	CMS-RS232*
USB to serial converter	CMS-USB*
Power supply 15W, 24V	DR-15-24
Power supply 30W, 24V	DR-30-24
PT100 / PT1000 amplifier	MV-LKM-274
Indoor temperature sensor with display, 0 ... 50 °C	CRF01-U-D
Indoor temperature sensor, 0 ... 50 °C	CRF01-U
Exterior temperature sensor, -50 ... +50 °C	CWF50-EXT-U4
Thermostat, 5 ... 30 °C	CRTBSB-001-010
Temperature / humidity sensor	KS-110
Water level sensor	PS1

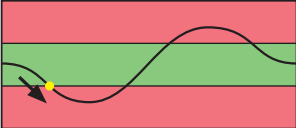
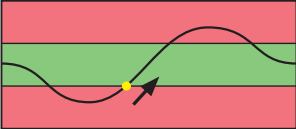
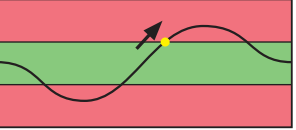
**fig. 1. Wiring diagram****fig. 2. Dimensions (mm)****Standards and approvals**

Standards IEC/EN 60947, IEC/EN60730

Approvals



CMS-10 remote monitoring and control features

	Description	Detail	CMS-10F	CMS-10ADF	CMS-10ACDF
General	Periodic notification	daily, weekly, monthly	●	●	●
	Notification at power fail		●	●	●
	Notification at startup		●	●	●
	Status notification upon request		●	●	●
	Up to five receivers per notification selectable		●	●	●
	Notification escalation		●	●	●
Inputs	Digital inputs		●		
	Analogue (0 ... 10 V) / digital inputs			●	●
	Analogue inputs 4 ... 20 mA				●
	Notification digital input "on"		●	●	●
	Notification digital input "off"		●	●	●
	Analogue value: scaling according sensor unit		●	●	●
					
	SMS notification analogue input value < lower level			●	●
					
	SMS notification analogue input value > lower level			●	●
					
	SMS notification analogue input value > upper level			●	●
					
SMS notification analogue input value < upper level			●	●	
Notification of analogue value in event of value change	Change > x			●	●
Periodic notification of analogue values				●	●
Notification delay	0.1 s ... 99.9 h		●	●	●
Outputs	Relay outputs		●	●	●
	Call-in function		●	●	●
	Switch on		●	●	●
	Switch off		●	●	●
	Output on for set time	0.1 s ... 99.9 h		●	●