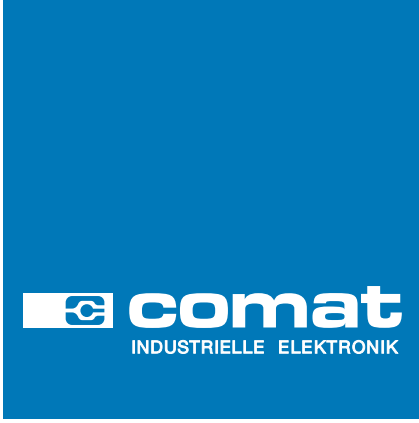
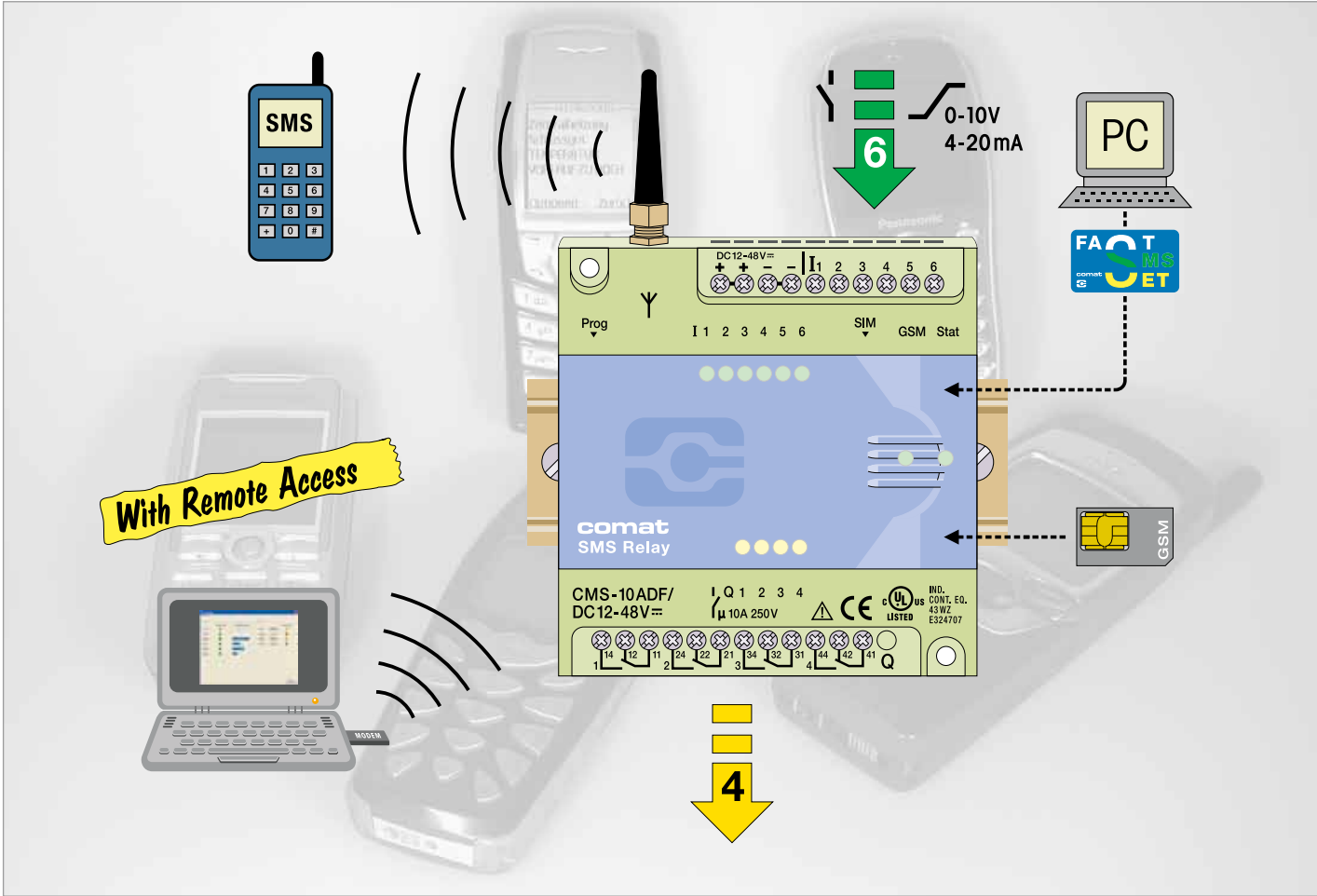


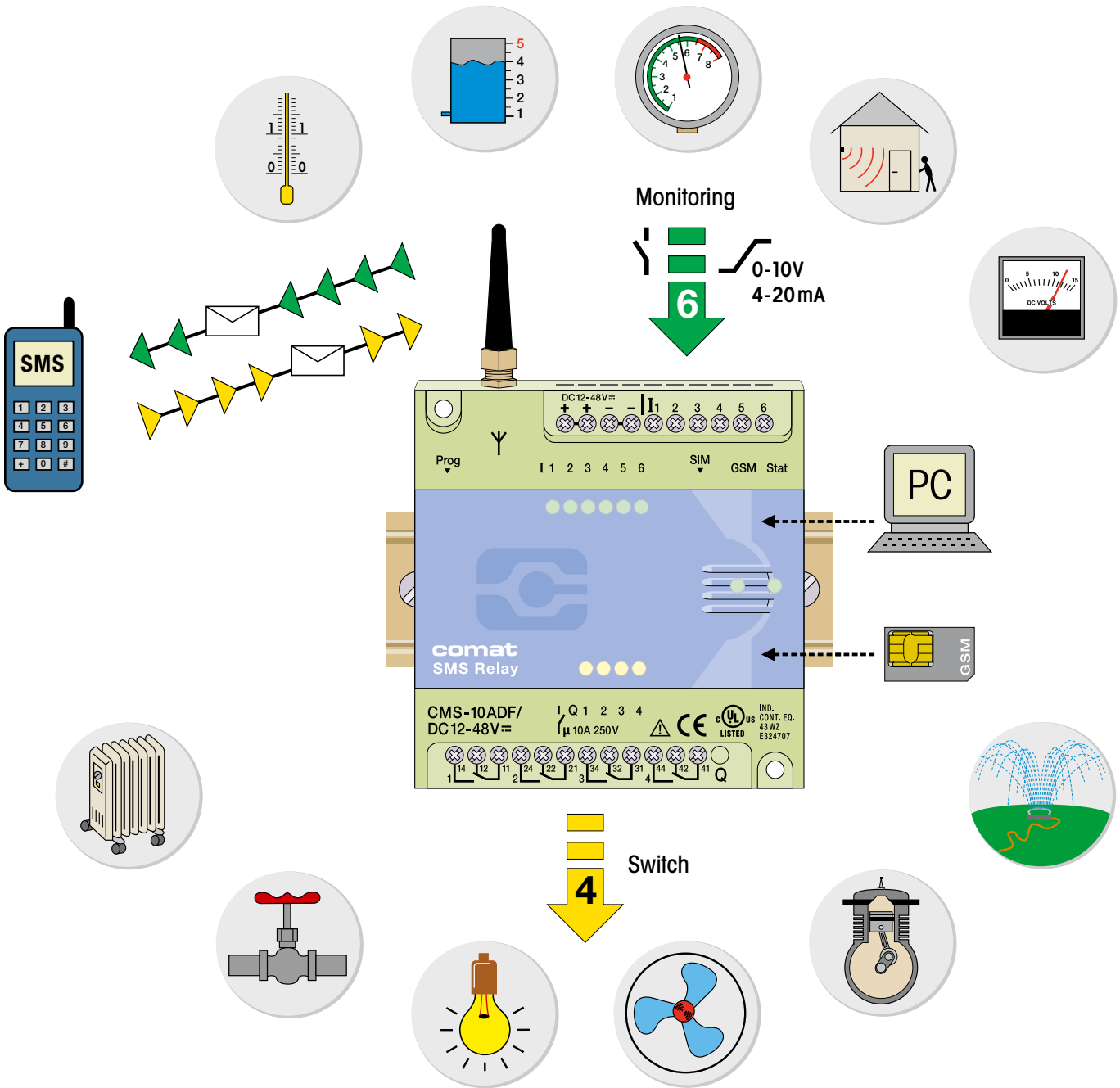
**NEW**  
With additional functions



# Comat SMS Relay



- ✓ Easy configuration with PC and «FAST SMS SET™»-up configuration software
- ✓ Sequential alert messaging to 5 different subscribers
- ✓ Analog and/or digital inputs
- ✓ Monitoring of all inputs and outputs with SMS messaging
- ✓ Request of analogue values by SMS
- ✓ Remote control of outputs by SMS
- ✓ Power failure notification by SMS messaging
- ✓ Status change messages by SMS
- ✓ User defined message text
- ✓ Remote access and status display by PC/Notebook
- ✓ Call-In Function
- ✓ Alarm messages by e-mail



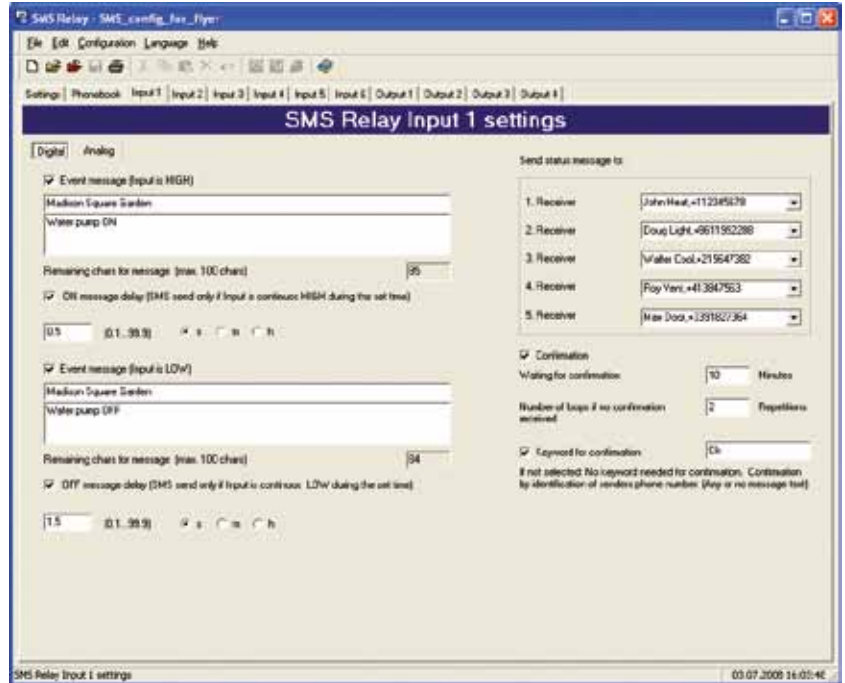
**Monitoring    Alerting,    Controlling**  
**Alerting    Controlling    Monitoring**  
**Controlling    Monitoring    Alerting**



**Digital Inputs**

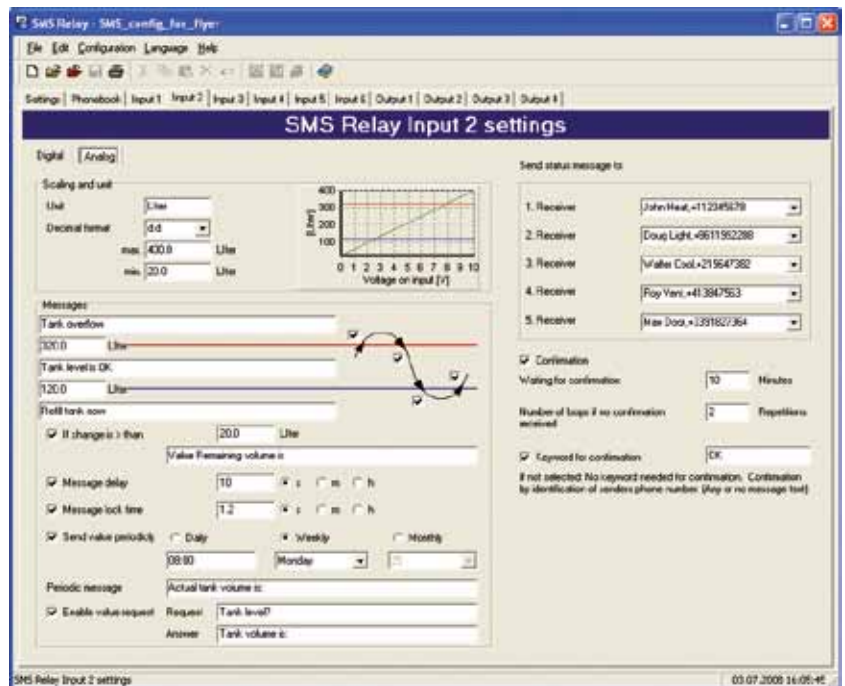
**Language**

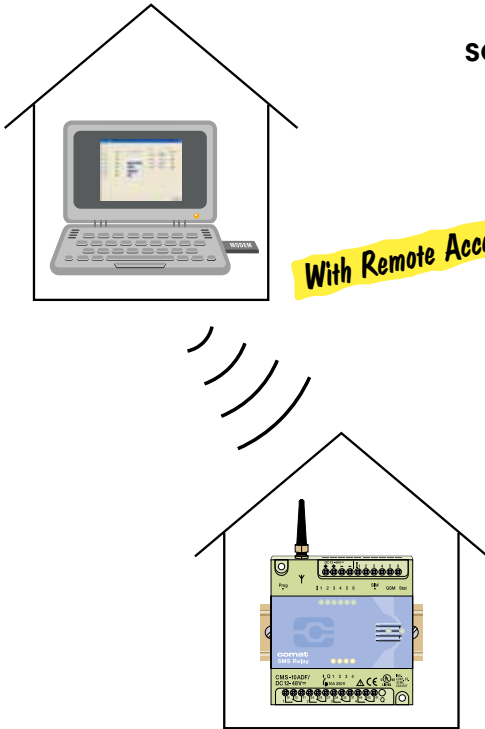
- Chinesisch vereinfacht
- Chinesisch traditionell
- Tschechisch
- Dänisch
- Deutsch
- Holländisch
- Englisch
- Spanisch
- Fflenisch
- Französisch
- Italienisch
- Polnisch
- Russisch
- Schwedisch



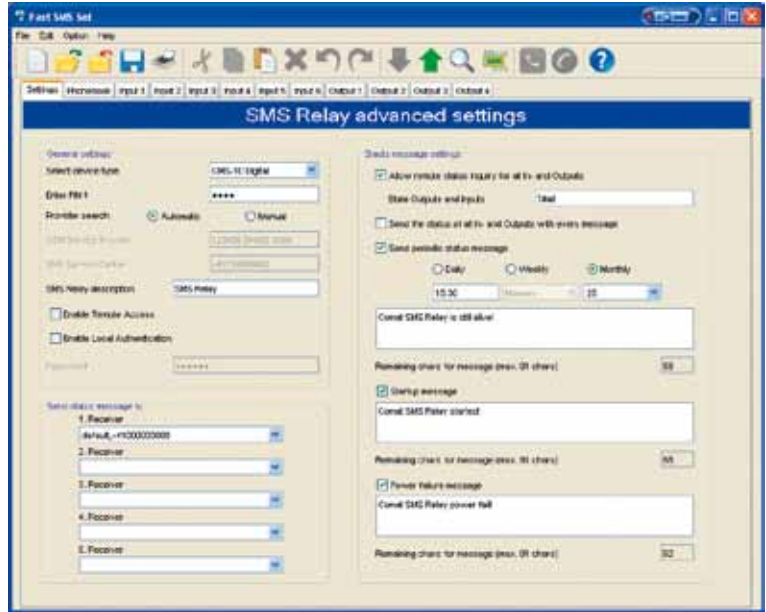
**Analog Inputs**

- Free selectable units e.g.: l, kg, m<sup>3</sup>, psi, F, sqm, lbs
- Any min/max value can be defined. Scale adjustment automatic
- Value inquire by SMS
- Automatic alerting if min/max values are exceeded
- Status display on PC/Notebook via GSM network





**Basic settings**



**Status display on the PC screen**



**Remote maintenance**

The option "remote access" allows users to change the device configuration without presence on site.

The connection with a serial cable is replaced with the communication over the GSM network.

For that purpose, the user has to establish communication with the SMS Relay via a GSM modem. (for example with CMS-GMS-MOD) connected to the PC.

As soon as the connection between the PC and the device is established, a new configuration can be downloaded or the existing configuration may be read out. This allows to simply save or change a phone number of a message receiver or to modify an analogue value or a time setting.

With the new configuration software it is also possible to display all Input and Output status as well as to switch Outputs without sending an SMS message to the device.

It has to be noted that establishing of communication and data transfers in the GSM network are subject of charges. These costs are variable depending on the provider and subscription. We recommend to keep the connection as short as possible.

The easy and comfortable handling of the SMS Relay is not affected with the new functions. The configuration software "FAS SMS SET" has not changed significantly and remains easy to use.

**Technical Data's**

**NEW**

Typ	CMS-10F/AC 110-240V	CMS-10F/DC12-48V	CMS-10ADF/DC12-48V	CMS-10ACDF/DC12-48V
Operating voltage	AC 110-240V~ 50/60Hz	DC 12-48V= max. 10%	DC 12-48V= max. 10%	DC 12-48V= max. 10%
Power consumption	8VA/6W	4,2W	4,2W	4,2W
Switching capacity	4x 10A 250V; Sum of current max. 20A			
Temperature range	Tu: -25...+55° C; Rel. humidity: 10...95% (non condensing); Protection IP 20			
Inputs	6x digital (trigger level 85V~)	6x digital (trigger level 9,5V=)	6x digital and/or analog (trigger level 9,5V=) (analog 0-10V=)	2x analog (4-20mA) 4x digital and/or analog (trigger level 9,5V=) (analog 0-10V=)
Outputs	4x CO contacts μ 10A/250V AC-1			
Provider (Phone/Network)	User selectable (dependent on SIM card)			
Frequency	GSM QuadBand (850; 900; 1800; 1900MHz)			

**Installation note**

The base unit device is delivered fully operational and includes the small aerial CMS-ANT.

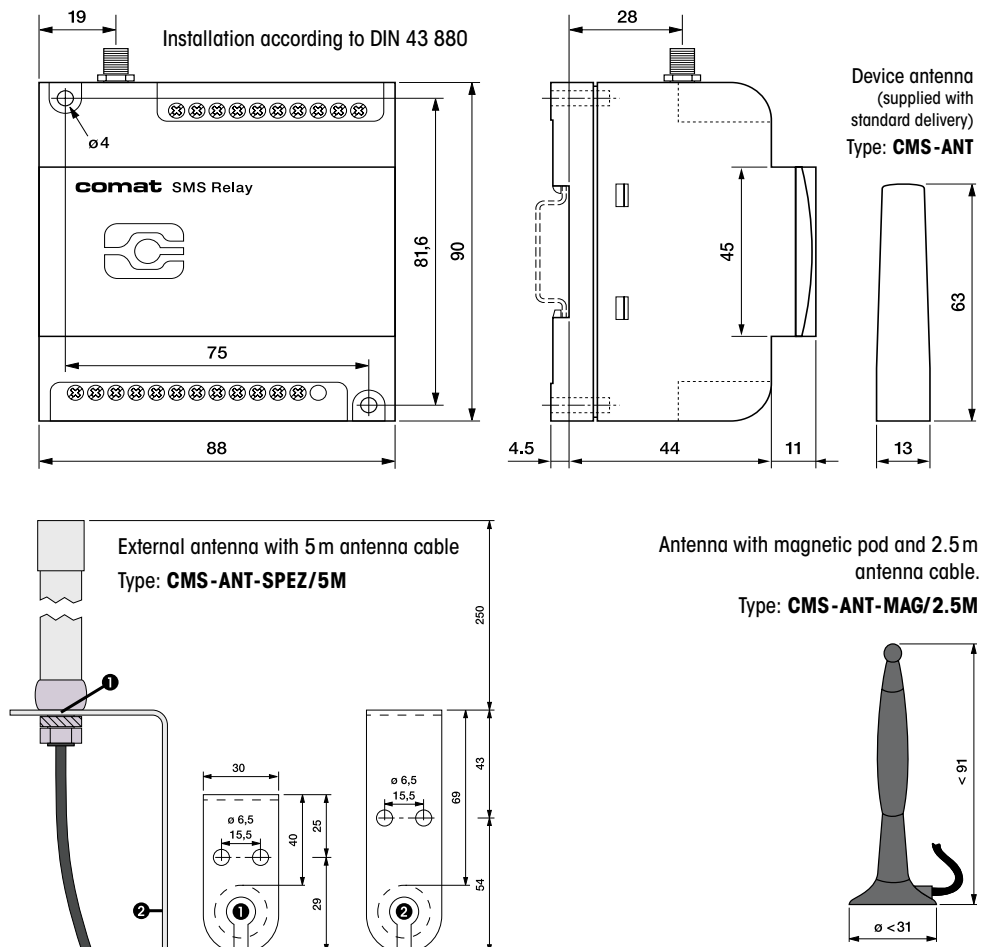
Before installation, the final location of installation must be taken into consideration.

For installation inside a control panel, the small device aerial may not be suitable and needs to be replaced by the antenna with magnetic pod (CMS-ANT-MAG/2.5M) or by the external antenna (CMS-ANT-SPEZ/5M).

These two antennas provide considerably better results and improve communication with the mobile network.

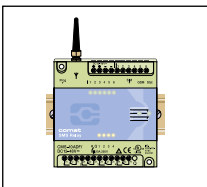
Please ask our product specialists if you require any support.

**Dimensions**



Typ	Description
<b>CMS-10F/AC 110-240 V</b>	SMS Relay AC 110-240V with 6 digital inputs incl. small antenna (CMS-ANT)
<b>CMS-10F/DC 12-48 V</b>	SMS Relay DC 12-48 V with 6 digital inputs incl. small antenna (CMS-ANT)
<b>CMS-10ADF/DC 12-48 V</b>	SMS Relay DC 12-48V with 6 digital and analog inputs incl. small antenna (CMS-ANT)
<b>CMS-10ACDF/DC 12-48 V</b>	SMS Relay DC 12-48V with 2 analog current inputs and 4 analog and/or digital voltage inputs, incl. small antenna (CMS-ANT)
<b>KIT</b> consisting of: A base unit with small antenna, antenna with magnetic pod and 2.5 m cable, programming cable, USB-RS232 Interface connector, CD with «FAST SMS SET™»-up programming software and operation manual	
<b>CMS-10FKIT/AC 110-240 V</b>	Installation kit complete with 6 digital inputs (SMS Relay AC 110-240V)
<b>CMS-10FKIT/DC 12-48 V</b>	Installation kit complete with 6 digital inputs (SMS Relay DC 12-48 V)
<b>CMS-10ADFKIT/DC 12-48 V</b>	Installation kit complete with 6 digital and/or analog inputs (SMS Relay DC 12-48 V)
<b>CMS-10ACDFKIT/DC 12-48 V</b>	SMS Relay Kit DC 12-48V with 2 analog current inputs and 4 analog and/or digital voltage inputs
<b>Zubehör</b>	
<b>CMS-RS 232</b>	SMS Relay programming cable RS 232
<b>CMS-USB</b>	USB-RS232 interface connector (including driver CD)
<b>CMS-ANT</b>	Small spare antenna for base unit, 63 mm long
<b>CMS-ANT-MAG/2.5 M</b>	Antenna with magnetic pod and 2.5 m antenna cable
<b>CMS-ANT-SPEZ/5 M</b>	External antenna with 5 m antenna cable
<b>CMS-ANT-KAB/5M</b>	Antenna cable 5 m (extension)
<b>CMS-ANT-KAB/10 M</b>	Antenna cable 10 m (extension)
<b>CMS-ANT-ADAPT</b>	Adaptor FME to SMA plug
<b>CMS-CAP</b>	Device cover (spare)
<b>CMS-CD</b>	CD with FAST SMS SET -up programming software and manual
<b>DR-15-24</b>	Power supply 15W, 24 V. DIN-rail mounting
<b>DR-30-24</b>	Power supply 36W, 24 V. DIN-rail mounting
<b>MK31-112-LU/24V DC</b>	1-channel voltage repeater
<b>4114 PReady</b>	Universal transmitter PReady 4114
<b>4501</b>	Display front (to PReady 4114)
<b>ZPT-10-H</b>	PT100/PT1000 Amplifier
<b>RF01-U</b>	Room temperature sensor 0...50°C without display
<b>RF01-U-D</b>	Room temperature sensor 0...50°C with display
<b>RTBSB-001-010</b>	Room thermostat 5...30°C with operating controls
<b>WF50 ext-U</b>	Outdoor temperature sensor -50...+50°C
<b>KS-110</b>	AC sensor for monitoring of humidity and temperature in control panels, archives and cabinets
<b>PS1</b>	Water gauge suitable for application of level measurements in water installations
<b>CMS-GSM-MOD</b>	GSM Module (Connected to USB port of the PC) for remote access to the SMS Relay

Type



**CMS-10F/...**  
**CMS-10ADF/...**  
**CMS-10ACDF/...**

**SMS Relay**

- SMS Relay incl. small antenna 63mm
- WITHOUT programming cable, magnetic pod antenna, USB converter and programming software
- Suitable for user which already possess the accessories



**CMS-10FKIT/...**  
**CMS-10ADFKIT/...**  
**CMS-10ACDFKIT/...**

**SMS Relay KIT**

- SMS Relay incl. small antenna 63mm
- Including programming cable, magnetic pod antenna with 2.5m cable, USB converter USB-RS232, and programming software "FASTR SMS SET™" with manual
- Suitable for user first user

Type



**DR-15-24**

**Power supply**

- Input
  - Voltage range: 85-264 V AC, 120-370V DC
  - Frequency range: 47-63 Hz
  - Max. current: 0,88 A
- Output
  - DC Nominal voltage: 24 V
  - Setting range: 21,6-26,4 V
  - Power range: 0-0,63 A
  - Nominal load: 15,2 W



**DR-30-24**

**Power supply**

- Input
  - Voltage range: 85-264 V AC, 120-370V DC
  - Frequency range: 47-63 Hz
  - Max. current: 0,88 A
- Output
  - DC Nominal voltage: 24 V
  - Setting range: 21,6-26,4 V
  - Power range: 0-1,5 A
  - Nominal load: 36 W



**MK31-112-LU/24V DC**

**1-channel voltage repeater**

- Input
  - Current: 4...20 mA
  - Voltage: 0...10 V DC
- Output
  - Voltage: 0...10 V DC
  - Linearity: ≤ 0,1%
- Low temperature drift of less than 0.2%/K
- Galvanic separation of Input and Output circuit and supply voltage



**4114 PReasy**

**Universal transmitter**

- Input
  - Current: 0/4...20 mA
  - Voltage: 0/0,2...1; 0/1...5; 0/2...10V DC
  - PT100: 2-, 3- and 4 wire
  - TE types: B...W5
  - Potentiometer: 10 Ω...100 kΩ
  - Lin. Resistance: 0 Ω...10 kΩ
- Output
  - Current: 0/4...20 mA / 800 Ω
  - Voltage: 0/0,2...1; 0/1...5; 0/2...10V DC



**4501**

**Display/Programming panel for PReasy**

- Communication interface for setting of operative parameters
- Can be plugged from one device to the other for data transmission
- Stationary display to visualize status of process data's
- Password protected
- LCD display with 4 lines



**ZPT-10-H**

**PT100/PT1000 Amplifier**

- Input: PT100; PT1000: 2-, 3-line switching
- Output: 0...10 V DC
- Supply voltage: 15...35 V DC
- DIN rail mounting

Type



**RF01-U**

**Room temperature sensor without display**

- Integrated transducer
- Output: 0...10V DC
- Measuring range: 0°C...50°C
- Supply voltage: 24V DC



**RF01-U-D**

**Room temperature sensor with integrated display**

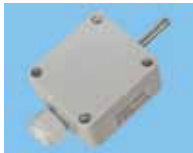
- Integrated transducer
- Output: 0...10V DC
- Measuring range: 0°C...50°C
- Supply voltage: 24V DC



**RTBSB-001-010**

**Room thermostat with operating controls**

- Suitable for temperature monitoring in closed rooms
- Output: 1 CO
- Setting range: 5°C...30°C
- Supply voltage: 230V AC (24V DC)



**WF50 ext-U**

**Outdoor temperature sensor**

- Sensor for temperature measuring outdoors or in industrial storage- or cold chambers
- Output: 0...10V DC
- Measuring range: -50°C...+50°C
- Supply voltage: 15...24V DC
- Protection class: IP65



**KS-110**

**AC sensor for indoors and outdoors**

- Measuring of humidity and temperature in control panels, archives and cabinets
- **Temperature**
  - Measuring range: -40°C...+80°C
  - Measuring element: Solid state
  - Output: 0-10V
- **Humidity**
  - Measuring range: 0%...100% relative humidity
  - Measuring element: Capacitive
  - Output: 0-10V



**PS1**

**Level and water gauge**

- Suitable for applications in fountains or in water installations up to a depth of 5m (0-0.5 bar)  
Additional measuring ranges on request.
- Cable in special design with pressure compensation line
- Output signal: 0-10V, 3-wire
- Application temperature: +5°C bis +70°C



**CMS-GSM-MOD**

**Recommended modem for remote communication with the SMS Relay**

QuadBand (850/900/1800/1900MHz)  
Supports GPRS, CSD, CSF and SMS  
USB 2.0 Full speed (12Mbits/s) interface  
With driver for Windows 2000/XP/XPPro/Tablet and Linux

Our SMS Relay is very suitable also for applications with products of EnOcean technology  
With accessories of this innovative solar powered wireless technology, these sensors can be used anywhere without expensive wiring.  
All above products are available from Comat AG. Don't hesitate to contact us.