

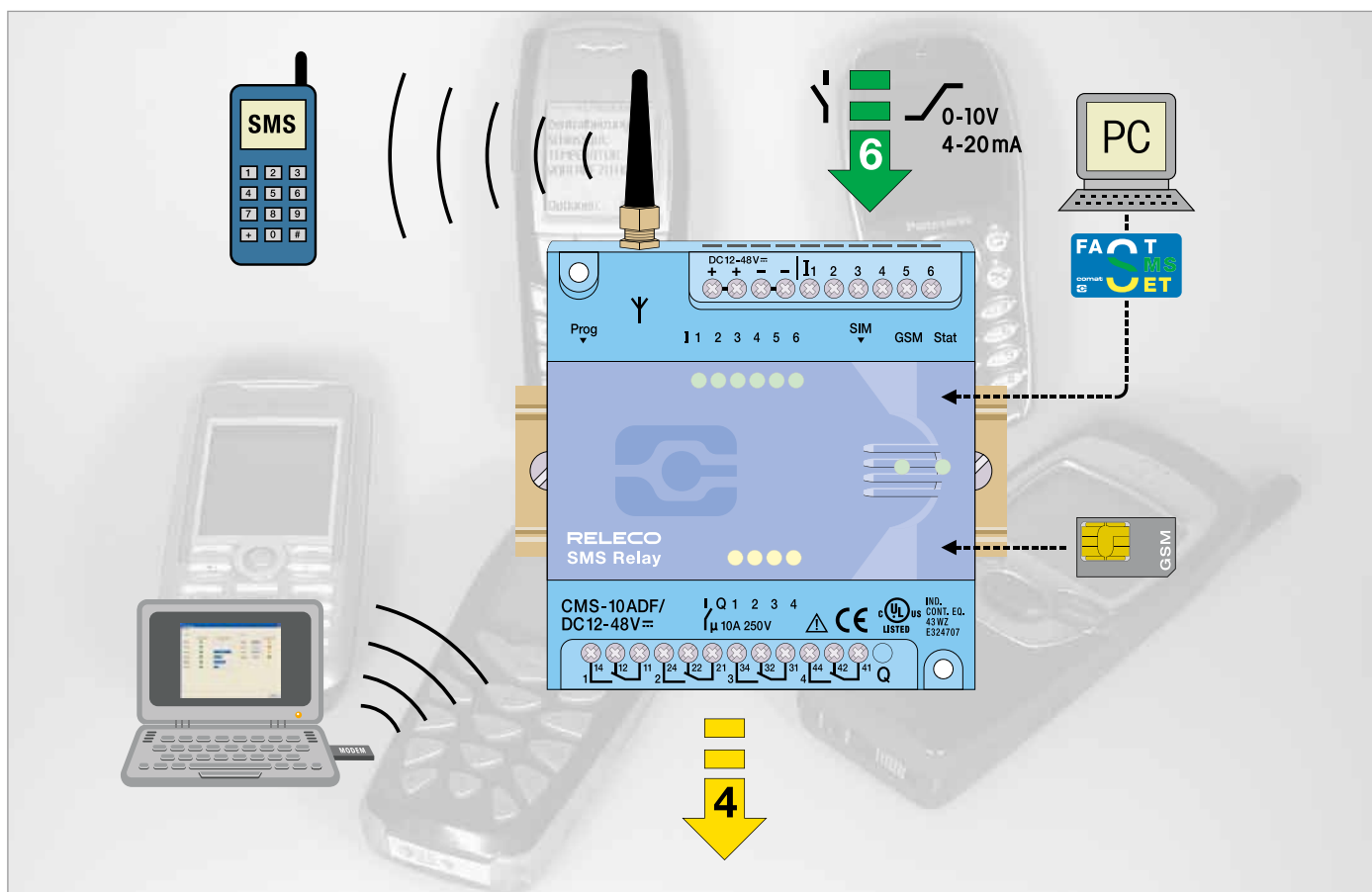
NEW

With additional functions

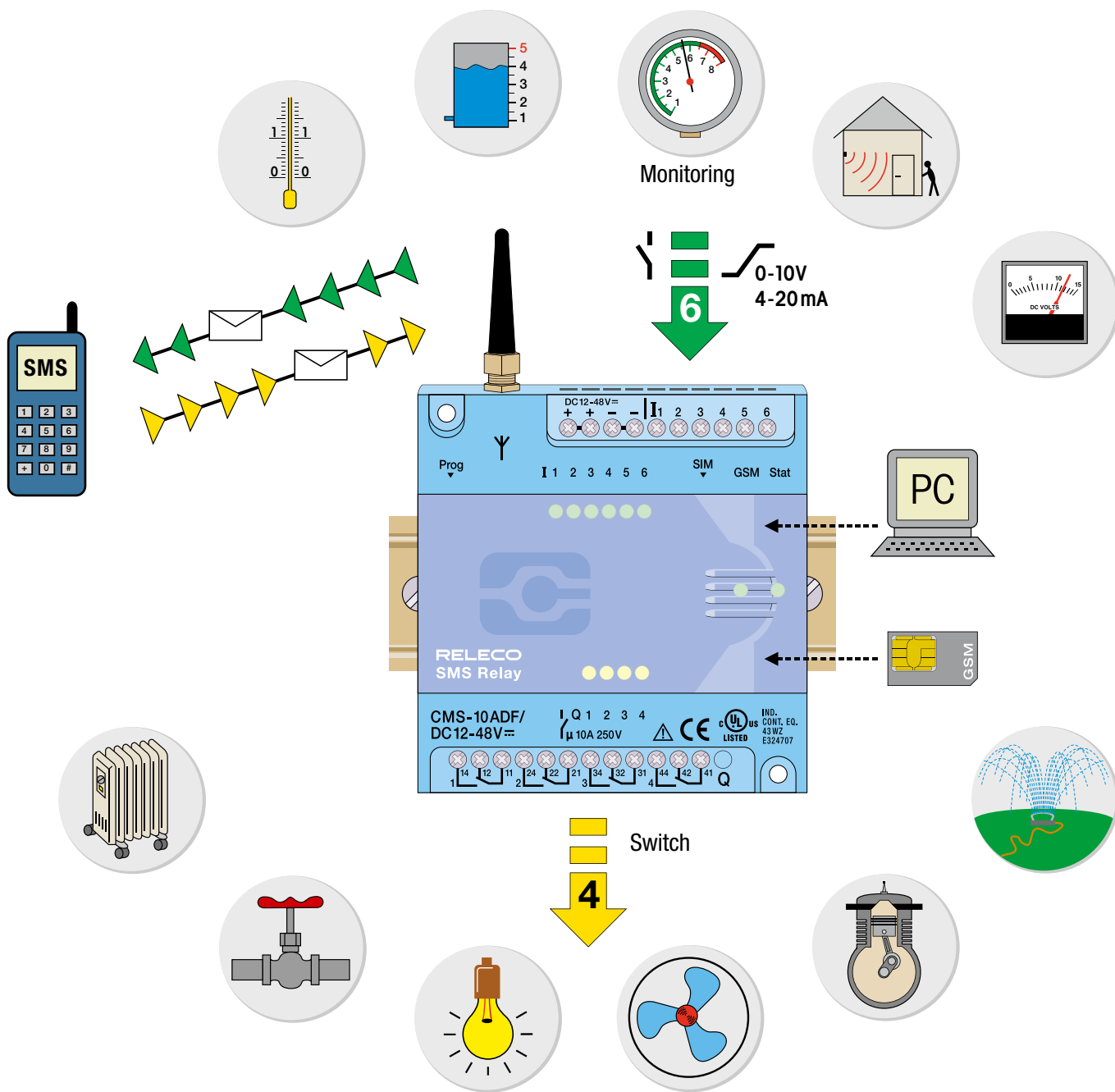
1.3 Automation Relays

1.3.1 Remote Control Relay

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
- NEW** ✓ Remote access and status display by PC/Notebook
- NEW** ✓ Call-In Function
- NEW** ✓ Alarm messages by e-mail
- NEW** ✓ App for Android operated smartphones



Monitoring
Alerting
Controlling

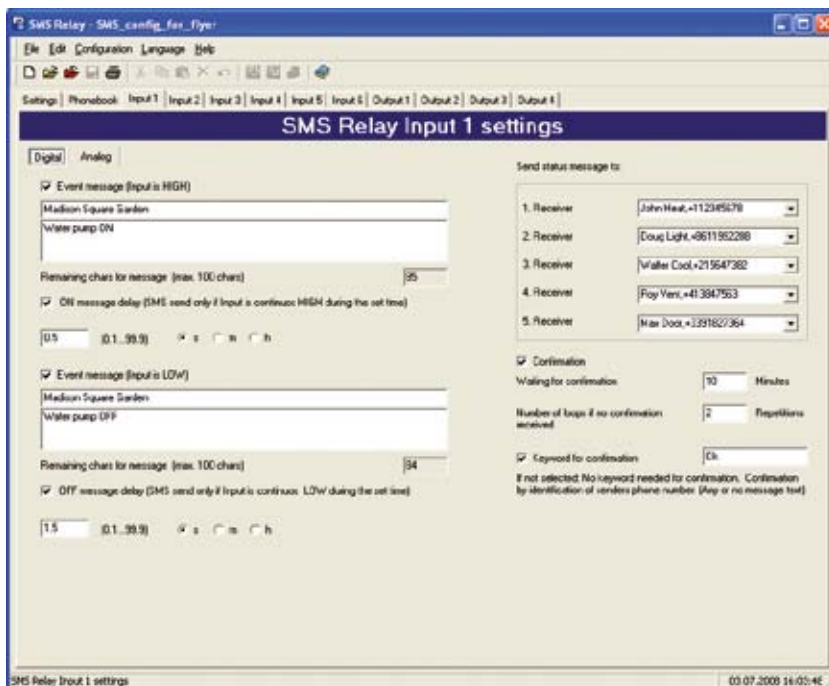
Alerting,
Controlling
Monitoring

Controlling
Monitoring
Alerting



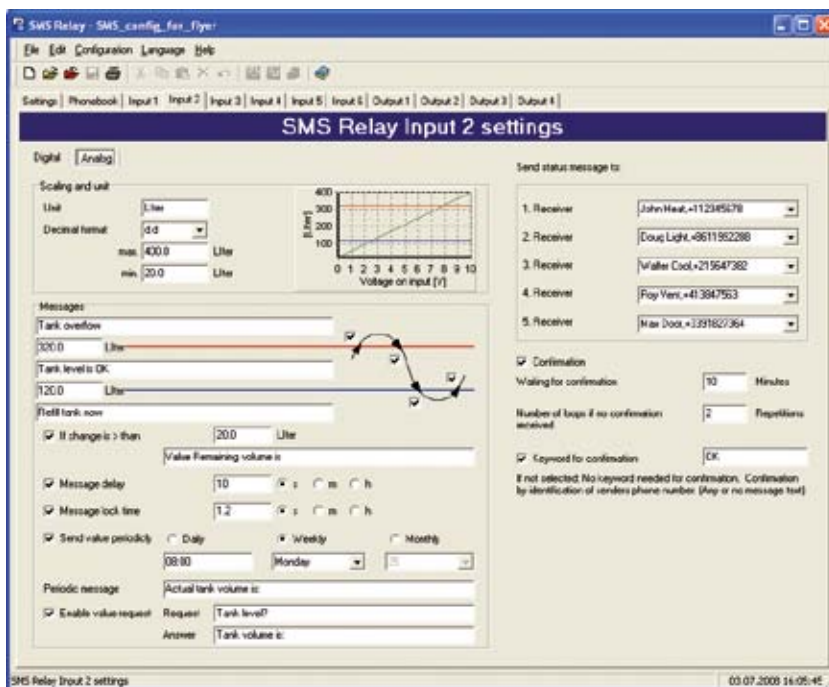
Digital Inputs

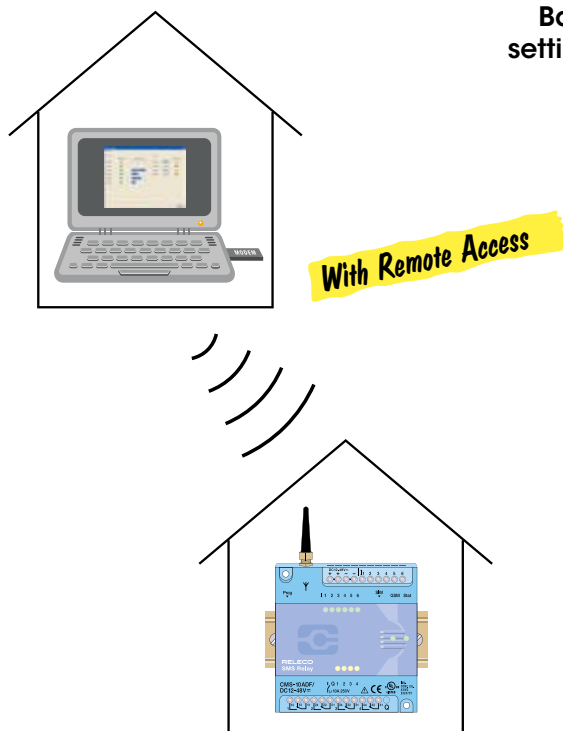
Language



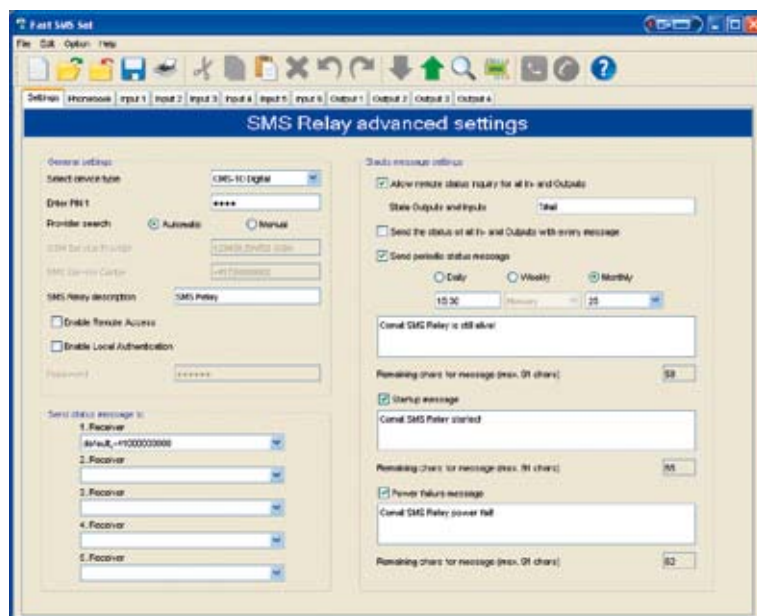
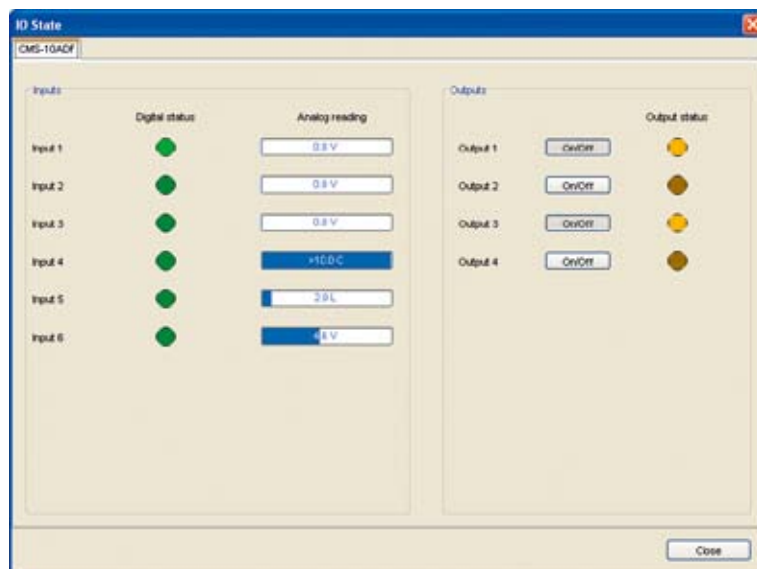
Analog Inputs

- ✓ Free selectable units e.g.: l, kg, m³, 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-GSM-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 "FAST 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 	4 x 10A 250V; Sum of current max. 20A			
Temperature range	Tu: -25...+55° C; Rel. humidity: 10...95% (non condensing); Protection IP20			
Inputs	6 x digital (trigger level 85V~)	6 x digital (trigger level 9,5V=)	6 x digital and/or analog (trigger level 9,5V=) (analog 0-10V=)	2 x analog (4-20 mA) 4 x digital and/or analog (trigger level 9,5V=) (analog 0-10V=)
Outputs	4 x 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.

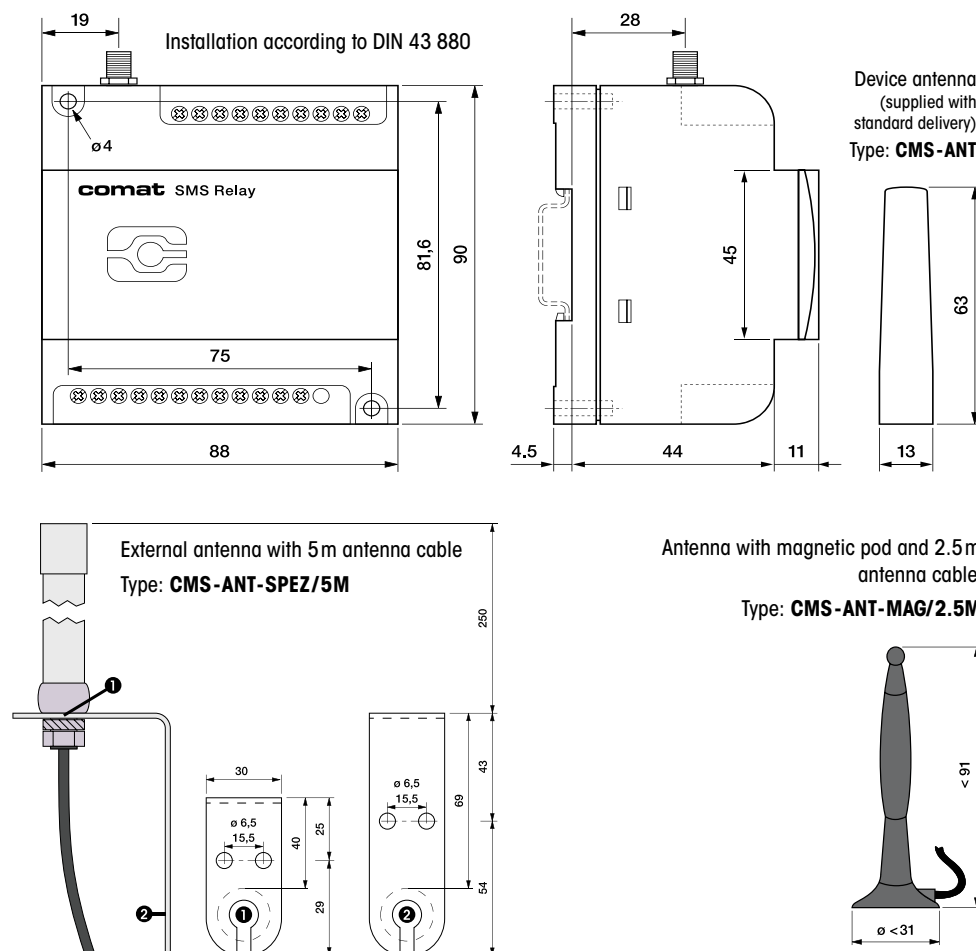
Before installation, the final location of installation must be taken into consideration.

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).

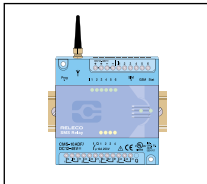
These two antennas provide considerably better results and improve communication with the mobile network.

Please ask our product specialists if you require any support.

Dimensions



Typ	Description
CMS-10F/AC110-240V	SMS Relay AC 110-240V with 6 digital inputs incl. small antenna (CMS-ANT)
CMS-10F/DC12-48V	SMS Relay DC 12-48V with 6 digital inputs incl. small antenna (CMS-ANT)
CMS-10ADF/DC12-48V	SMS Relay DC 12-48V with 6 digital and analog inputs incl. small antenna (CMS-ANT)
CMS-10ACDF/DC12-48V	SMS Relay DC 12-48V with 2 analog current inputs and 4 analog and/or digital voltage inputs, incl. small antenna (CMS-ANT)
KIT consisting of: A base unit with small antenna, antenna with magnetic pod and 2.5m cable, programming cable, USB-RS232 Interface connector, CD with «FAST SMS SET™»-up programming software and operation manual	
CMS-10FKIT/AC110-240V	Installation kit complete with 6 digital inputs (SMS Relay AC110-240V)
CMS-10FKIT/DC12-48V	Installation kit complete with 6 digital inputs (SMS Relay DC12-48V)
CMS-10ADFKIT/DC12-48V	Installation kit complete with 6 digital and/or analog inputs (SMS Relay DC12-48V)
CMS-10ACDFKIT/DC12-48V	SMS Relay Kit DC12-48V with 2 analog current inputs and 4 analog and/or digital voltage inputs
Accessories	
CMS-RS232	SMS Relay programming cable RS232
CMS-USB	USB-RS232 interface connector (including driver CD)
CMS-ANT	Small spare antenna for base unit, 63mm long
CMS-ANT-MAG/2.5M	Antenna with magnetic pod and 2.5m antenna cable
CMS-ANT-SPEZ/5M	External antenna with 5m antenna cable
CMS-ANT-KAB/5M	Antenna cable 5m (extension)
CMS-ANT-KAB/10M	Antenna cable 10m (extension)
CMS-ANT-ADAPT	Adaptor FME to SMA plug
CMS-CAP	Device cover (spare)
CMS-CD	CD with FAST SMS SET -up programming software and manual
DR-15-24	Power supply 15W, 24V. DIN-rail mounting
DR-30-24	Power supply 36W, 24V. DIN-rail mounting
4114 PReasy	Universal transmitter PReasy 4114
4501	Display front (to PReasy 4114)
ZPT-10-H	PT100/PT1000 Amplifier
RF01-U	Room temperature sensor 0...50°C without display
RF01-U-D	Room temperature sensor 0...50°C with display
RTBSB-001-010	Room thermostat 5...30°C with operating controls
WF50 ext-U	Outdoor temperature sensor -50...+50°C
KS-110	AC sensor for monitoring of humidity and temperature in control panels, archives and cabinets
PS1	Water gauge suitable for application of level measurements in water installations
CMS-GSM-MOD	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 "FAST SMS SET™" with manual
- Suitable for user first user

Type

**DR-15-24****Power supply**

- Input
 - Voltage range: 85-264 V AC, 120-370 V 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, 120-370 V 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

**4114 PReasy****Universal transmitter**

- Input
 - Current: 0/4...20 mA
 - Voltage: 0/0,2...1; 0/1...5; 0/2...10 V 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...10 V 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
- 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

**RF01-U****Room temperature sensor without display**

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

Type

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

**App SMSrelay****App for Android operated smart phones**

The App is available free of charge in the Android Market with its designation "SMSrelay"

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.