Get control into your hands!

Alarming & remote control via SMS

SCOM-100 is a low cost, DIN rail mounted controller unit for alarm annunciation and remote control using SMS. The main unit incorporates a Quad Band (850/900/1800/1900MHz) GSM modem, 2 analog inputs, 4 digital inputs, 4 power relay outputs (250V/10A) and a serial RS-232 port. Front panel LED indicators monitor control and digital I/O states.
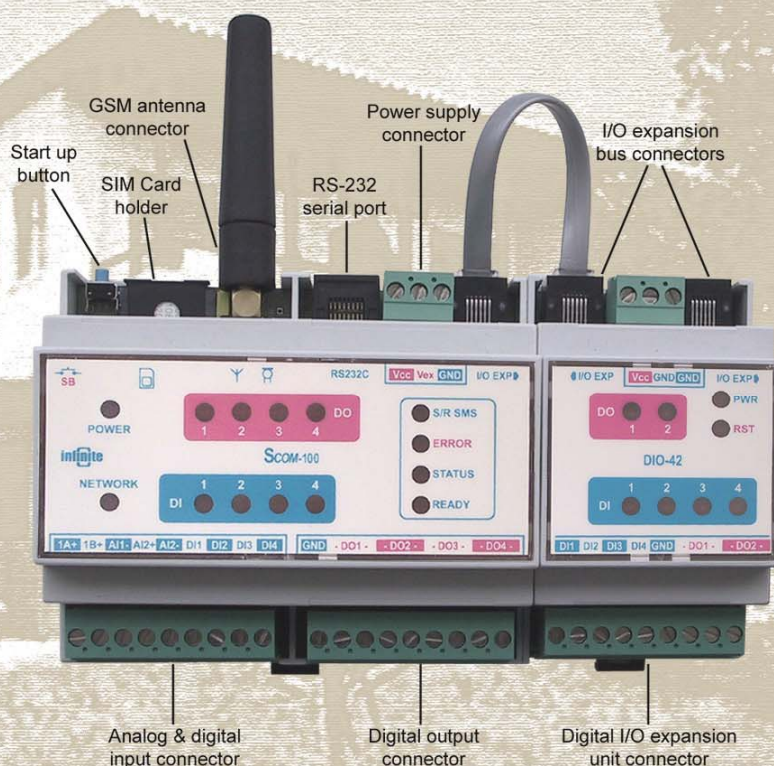
Simple setup and operation

All setup and control is done using your mobile phone. Simply insert a SIM card with your name and phone number in the phone list and press the start up button during power up! Simple ASCII configuration commands are used for both, unit setup and control. Several commands can be packed in one SMS. The RS-232 interface can be used to alternatively setup and test the unit using the bundled, user friendly configuration software on a Windows PC.

The rich command set features commands for configuring input alarm parameters, setup of irrigation and time scheduled programs, control functions like on/off and PID control, defining user groups and controlling system outputs with time related parameters.

Wide range of applications

✓ Home & garden automation
✓ Security systems
✓ Fire and smoke alarm systems
✓ Greenhouse controls & irrigation systems
✓ Building management & facility control
✓ Remote control and telemetry
✓ M2M systems

Scom-100

Scom-100 Alarming & remote control via SMS

Start up button
GSM antenna connector
SIM Card holder
Power supply connector
RS-232 serial port
I/O expansion bus connectors

Analog & digital input connector
Digital output connector
Digital I/O expansion unit connector

Technical specifications
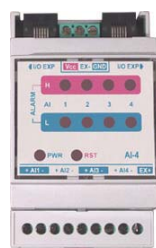
Main unit

Power supply:	12/24 VDC, 30mA to 0.25 A max (all DO on)
Wireless modem:	Quad Band GSM (850/900/1800/1900MHz)
Digital inputs:	4, 12V, 0.2 Hz, expandable to 36 (8 GE-DIO-42 modules)
Digital outputs:	4, relay 250V/10A (AC1), expandable to 20 (8 GE- DIO-42 modules)
Analog inputs:	2, AI1: 0-10V, 0-1V, AD592 Temperature sensors, AI2: 0-20/4-20mA, expandable to 18 (4 GE-AI-4 modules)
Indications:	LED, I/O & control states
Serial interface:	RS232C, up to 921 kBit/s
Dimensions:	106 x 90 x 58 mm
Command set:	Over 60 ASCII SMS commands for system configuration, alarm settings and remote control

Digital I/O expansion unit GE-DIO-42

Power supply:	12/24 VDC, 0.1 A
Digital inputs:	4, 0.2 Hz, Pull
Digital outputs:	2, relay 250V/10A (AC1)
Indications:	LED, I/O & control states
Dimensions:	53 x 90 x 58 mm

Analog input expansion unit GE-AI-4

Power supply:	12-30 VDC, 50 mA
Analog inputs:	4 diff., 0-1V, 0-20/4-20mA, PT100
Excitation:	1mA const. current source (4 PT100 sensors)
Resolution:	12 bit
Indications:	LED, Alarm High/Low & control
Dimensions:	53 x 90 x 58 mm

Ordering information

SCOM-100-12: SMS controller main unit, 12 VDC
SCOM-100-24: SMS controller main unit, 24 VDC
GE-DIO-42-12: Digital I/O expansion unit, 12 VDC
GE-DIO-42-24: Digital I/O expansion unit, 24 VDC
GE-AI-4: Analog input expansion unit

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