GC-10
Wireless Control Box

INSTANT WIRELESS CONTROL - JUST ADD SIM!
Doc. 40284/01_11

GC-10 Offers

- An All-in-one control unit for applications involving Alarm signalling using SMS messages, data logging, simple local and/or remote control.

- Very Easy Installation - Delivered complete with unique new configuration tool, driver software, communication and power cables, antenna, installation and user manuals.

- No programming skills needed - Just select the different events and bind these to different actions.

GC-10 Key Features

- Alarm and status signalling using SMS
- Remote output control by SMS
- Up to 20 dynamic SMS messages
- Up to 30 telephone numbers
- 3 SMS profiles
- Simple Local output control
- 1 Internal on/off delay timer
- Data logger
- Easy to use configuration tool

GC-10 Key Features

- 4 digital inputs (10-30VDC)
- Analogue inputs (0-10V or 4-20 mA)
- Analogue input PT100 ($\div$50 –100 $^{\circ}$C)
- 4 digital outputs (Transistor)
- 24-60 VDC or 230 VAC mains supply
- 12 VDC PS for external use

GC-10 Software

Select the different "Events"

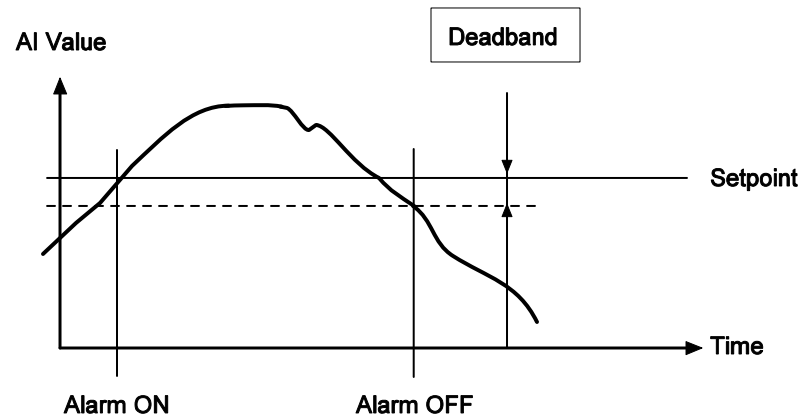Select Log and/or SMS functionality

Status indicator

GC-10 Analogue Event

High Activated:

AI Value

Deadband

Setpoint

Alarm ON   Alarm OFF

Time

Low Activated:

AI Value

Deadband

Setpoint

Alarm ON   Alarm OFF
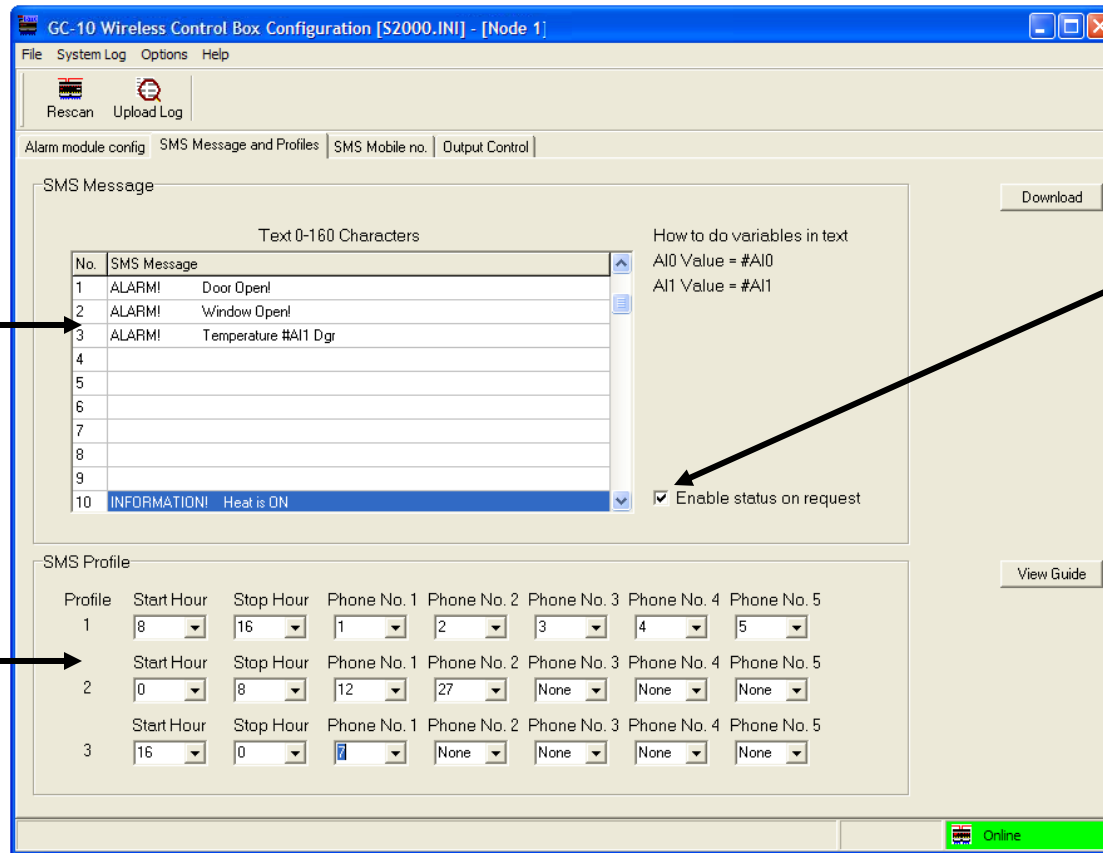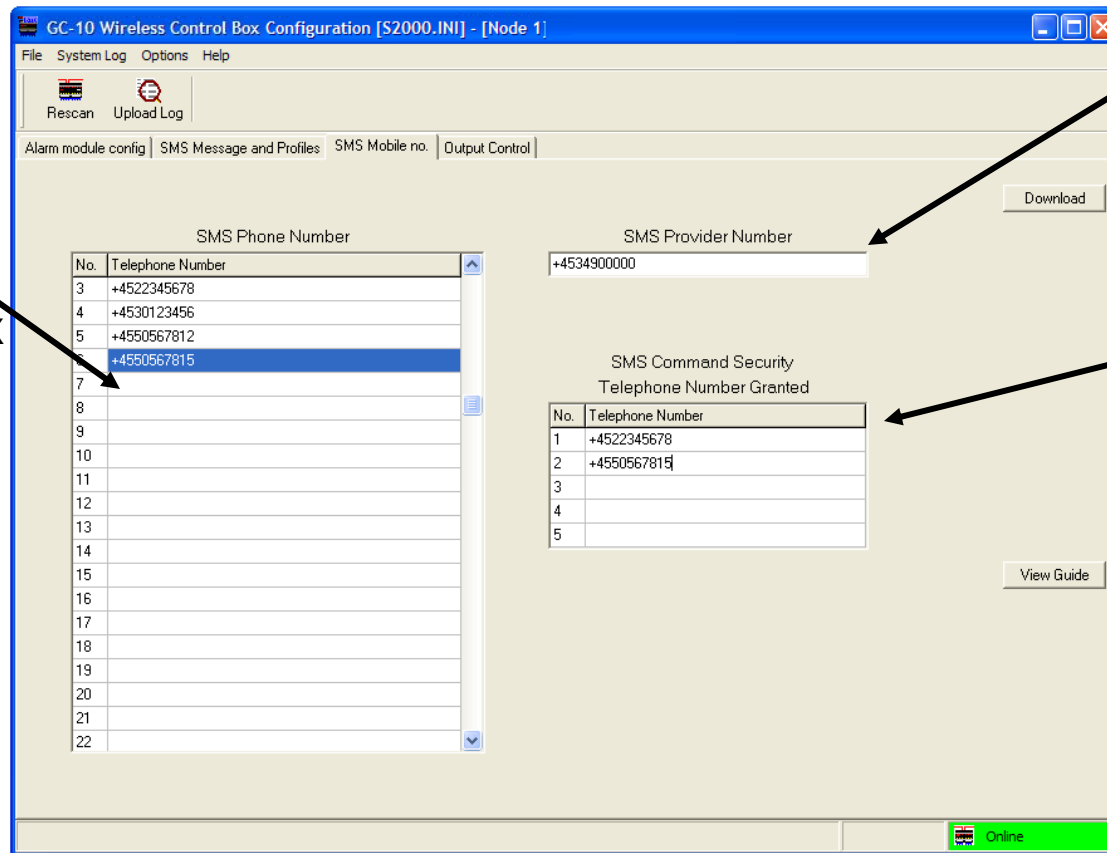
Time
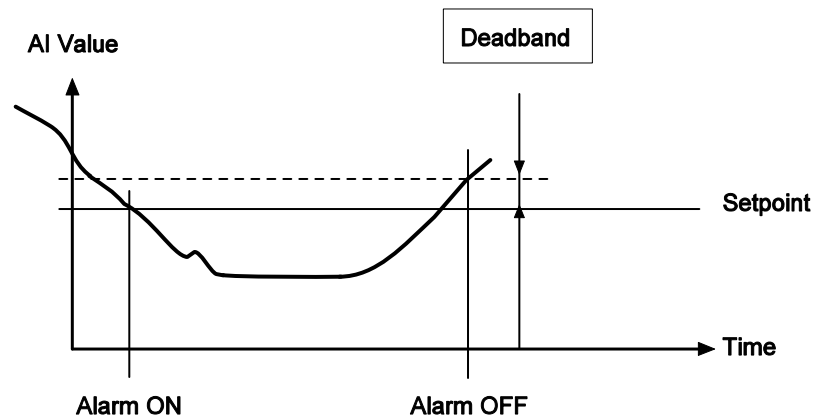
GC-10 Software

Compose the different SMS messages

20 pcs. Max.

160 characters each including variables

3 Profiles

5 phone # / profile

Last 4 SMS messages used for status:
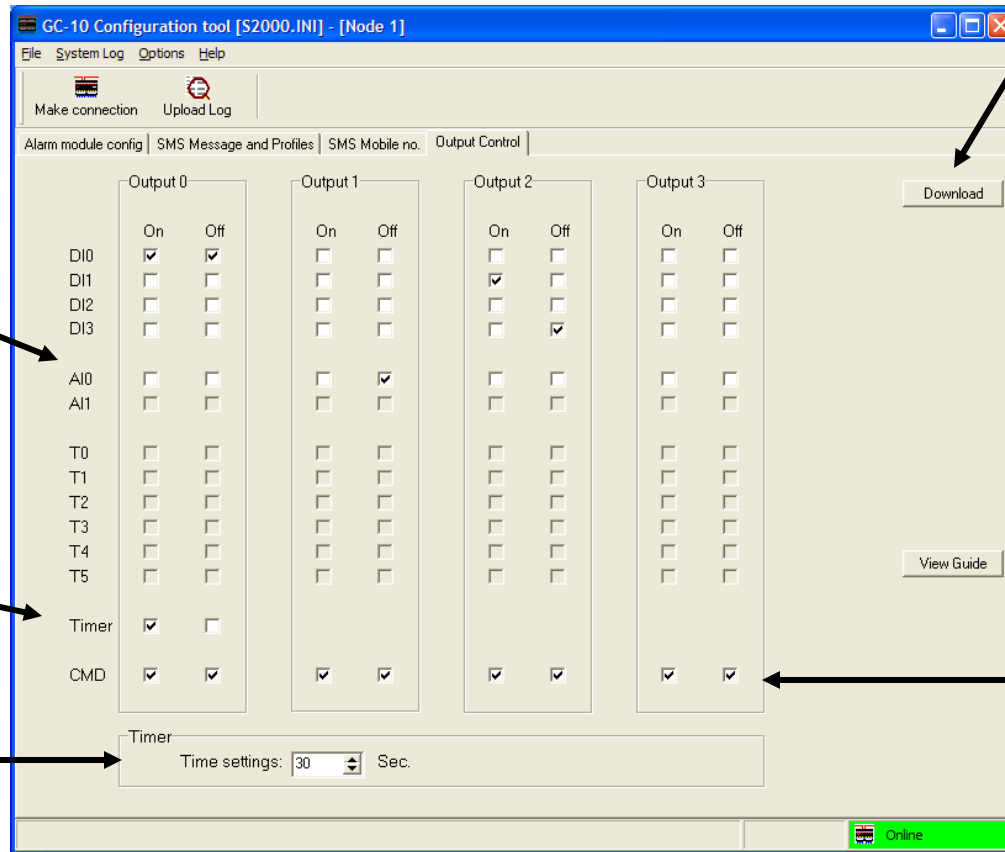 DI, DO, AI

GC-10 Software

Create your
Phone table:
30 Phone # Max

GSM provider
SMS Service-
Center No .

These
numbers are
granted remote
output control.
(Empty => All)

GC-10 Software

Download program

Select output control based on events

Timer on/off delay

Delay in seconds

Output control based on SMS

GC-10 SMS Commands

- Cmd1 => Status Digital Inputs
- Cmd2 => Status Digital Outputs
- Cmd3 => Status Analog Input 0
- Cmd4 => Status Analog Input 1
- Cmd10 => Digital Output 0 = OFF
- Cmd11 => Digital Output 0 = ON
- Cmd20 => Digital Output 1 = OFF
- Cmd21 => Digital Output 1 = ON
- Cmd30 => Digital Output 2 = OFF
- Cmd31 => Digital Output 2 = ON
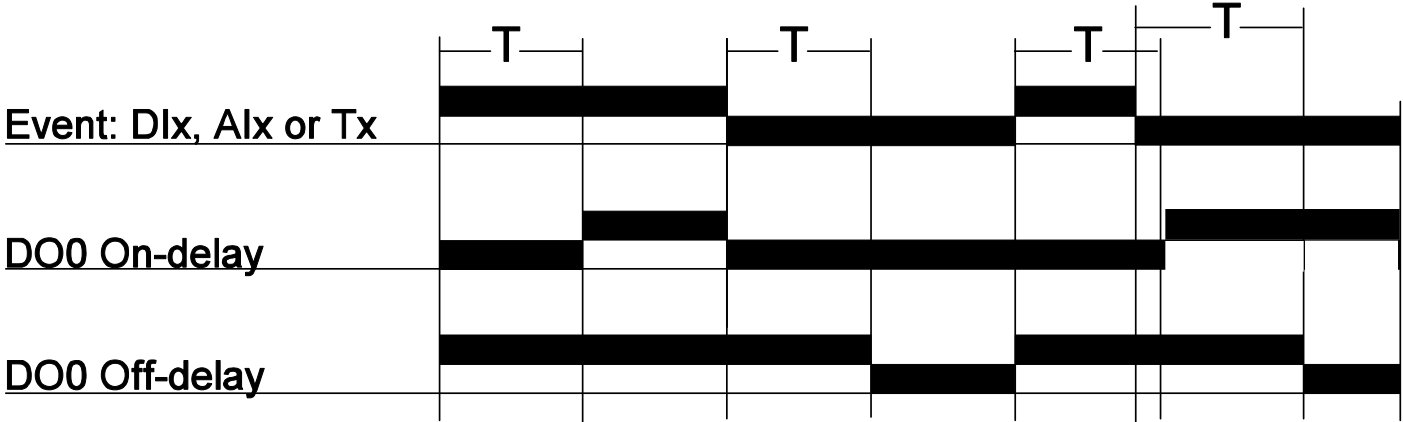- Cmd40 => Digital Output 3 = OFF
- Cmd41 => Digital Output 3 = ON
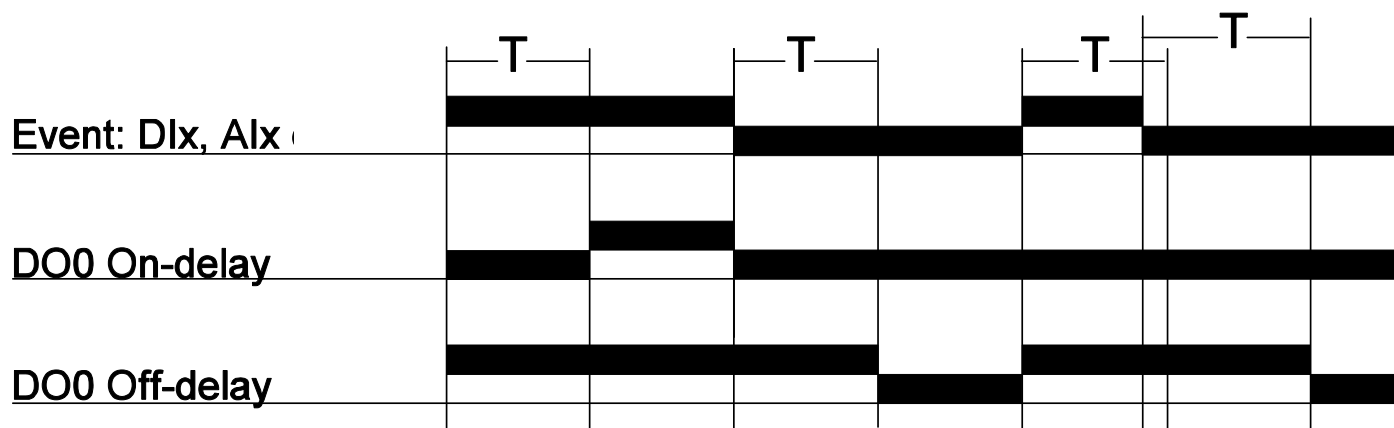
T= Time Setting

	Output 0	
On delay	**On**	**Off**
DI2	☑	☑

GC-10 Timer Function 2

T= Time Setting

	Output 0	
On delay	**On**	**Off**
DI2	☑	☐

GC-10 Hardware

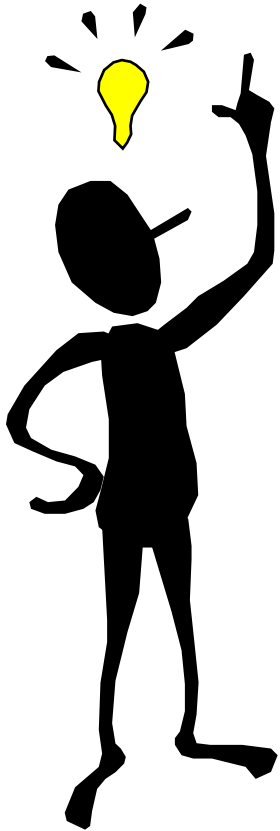| Power Supply	AI0	AI1
230 VAC / 24-60 VDC	0-10 V / 4-20 mA	0-10 V / 4-20 mA / Pt100

Example:

- GC-10P/230.A (4-20 mA + Pt100 input), 230 VAC PS

- GC-10/24.V (2 stk. 0-10 V analog inputs), 24-60 VDC PS

GC-10 Typical Applications

- Building surveillance and control
- Light control
- Energy management
- Simple alarm systems
- Tank monitoring
- Water / waste water treatment
- Asset management
- Supply chain management