

GC-10

Wireless Control Box



INSTANT WIRELESS CONTROL - JUST ADD SIM!



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 °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"

GC-10 Wireless Control Box Configuration [S2000.INI] - [Node 1]

File System Log Options Help

Rescan Upload Log

Alarm module config | SMS Message and Profiles | SMS Mobile no. | Output Control

Digital input event config

DI	Pulse	Pulse	Log Active	SMS Profile 1 Active	SMS Profile 2 Active	SMS Profile 3 Active	SMS Message
0	☐	☐	☐	☐	☐	☐	0
1	☐	☐	☐	☐	☐	☐	0
2	☐	☐	☐	☐	☐	☐	0
3	☐	☐	☐	☐	☐	☐	0

Analog input event config

AI	Value	Dead Band	Scale	High	Low	Log Active	SMS Profile 1 Active	SMS Profile 2 Active	SMS Profile 3 Active	SMS Message
0	0	0	0 - 50	☐	☐	☐	☐	☐	☐	0
1	0	0	0 - 50	☐	☐	☐	☐	☐	☐	0

Time event config

Time Active	Hour	Minute	Log All Active	SMS Profile 1 Active	SMS Profile 2 Active	SMS Profile 3 Active	SMS Message
0	0	0	☐	☐	☐	☐	0
1	0	0	☐	☐	☐	☐	0
2	0	0	☐	☐	☐	☐	0
3	0	0	☐	☐	☐	☐	0
4	0	0	☐	☐	☐	☐	0
5	0	0	☐	☐	☐	☐	0

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View Guide

Download and Start the RTU Application

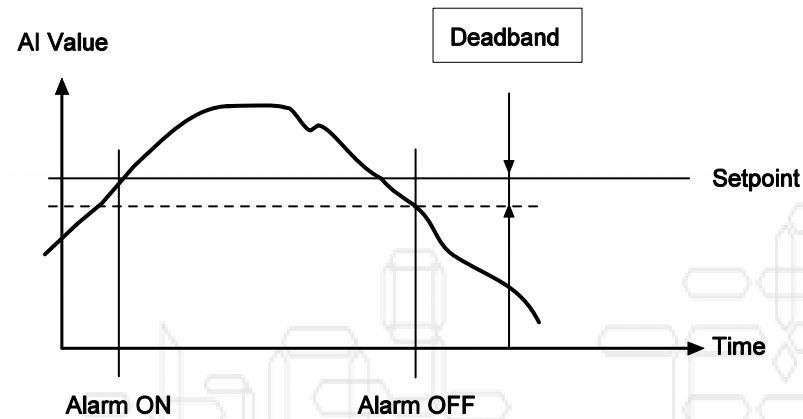
Online

Select Log
and/or SMS
functionality

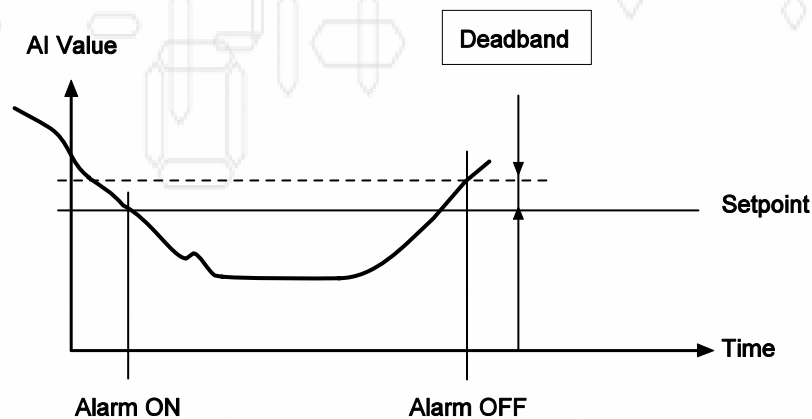
Status indicator

GC-10 Analogue Event

High Activated:



Low Activated:



GC-10 Software

Compose the
different SMS
messages
20 pcs. Max.
160 characters
each including
variables

3 Profiles
5 phone # /
profile

GC-10 Wireless Control Box Configuration [S2000.INI] - [Node 1]

File System Log Options Help

Rescan Upload Log

Alarm module config SMS Message and Profiles SMS Mobile no. Output Control

SMS Message

Text 0-160 Characters

No.	SMS Message
1	ALARM! Door Open!
2	ALARM! Window Open!
3	ALARM! Temperature #AI1 Dgr
4	
5	
6	
7	
8	
9	
10	INFORMATION! Heat is ON

How to do variables in text
AI0 Value = #AI0
AI1 Value = #AI1

☒ Enable status on request

Download

SMS Profile

Profile	Start Hour	Stop Hour	Phone No. 1	Phone No. 2	Phone No. 3	Phone No. 4	Phone No. 5
1	8	16	1	2	3	4	5
2	0	8	12	27	None	None	None
3	16	0	7	None	None	None	None

View Guide

Online

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

GC-10 Software

Create your
Phone table:
30 Phone # Max

GC-10 Wireless Control Box Configuration [S2000.INI] - [Node 1]

File System Log Options Help

Rescan Upload Log

Alarm module config SMS Message and Profiles SMS Mobile no. Output Control

SMS Phone Number

No.	Telephone Number
3	+4522345678
4	+4530123456
5	+4550567812
6	+4550567815
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	

SMS Provider Number

+4534900000

SMS Command Security Telephone Number Granted

No.	Telephone Number
1	+4522345678
2	+4550567815
3	
4	
5	

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View Guide

Online

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 0		Output 1		Output 2		Output 3	
	On	Off	On	Off	On	Off	On	Off
DI0	☒	☒	☐	☐	☐	☐	☐	☐
DI1	☐	☐	☐	☐	☒	☐	☐	☐
DI2	☐	☐	☐	☐	☐	☐	☐	☐
DI3	☐	☐	☐	☐	☐	☒	☐	☐
AI0	☐	☐	☐	☒	☐	☐	☐	☐
AI1	☐	☐	☐	☐	☐	☐	☐	☐
T0	☐	☐	☐	☐	☐	☐	☐	☐
T1	☐	☐	☐	☐	☐	☐	☐	☐
T2	☐	☐	☐	☐	☐	☐	☐	☐
T3	☐	☐	☐	☐	☐	☐	☐	☐
T4	☐	☐	☐	☐	☐	☐	☐	☐
T5	☐	☐	☐	☐	☐	☐	☐	☐
Timer	☒	☐	☐	☐	☐	☐	☐	☐
CMD	☒	☒	☒	☒	☒	☒	☒	☒

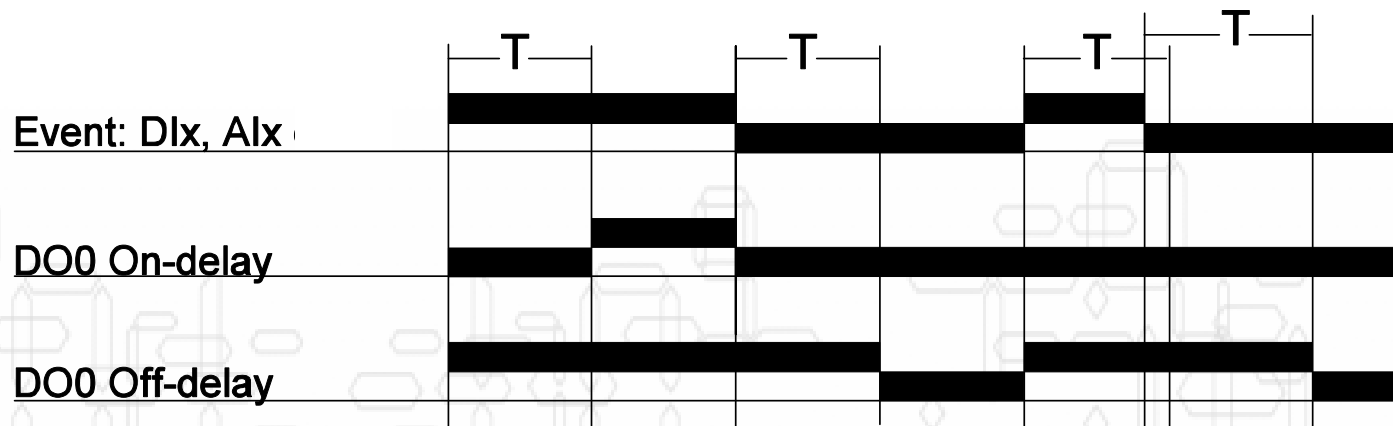
Time settings: 30 Sec.

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

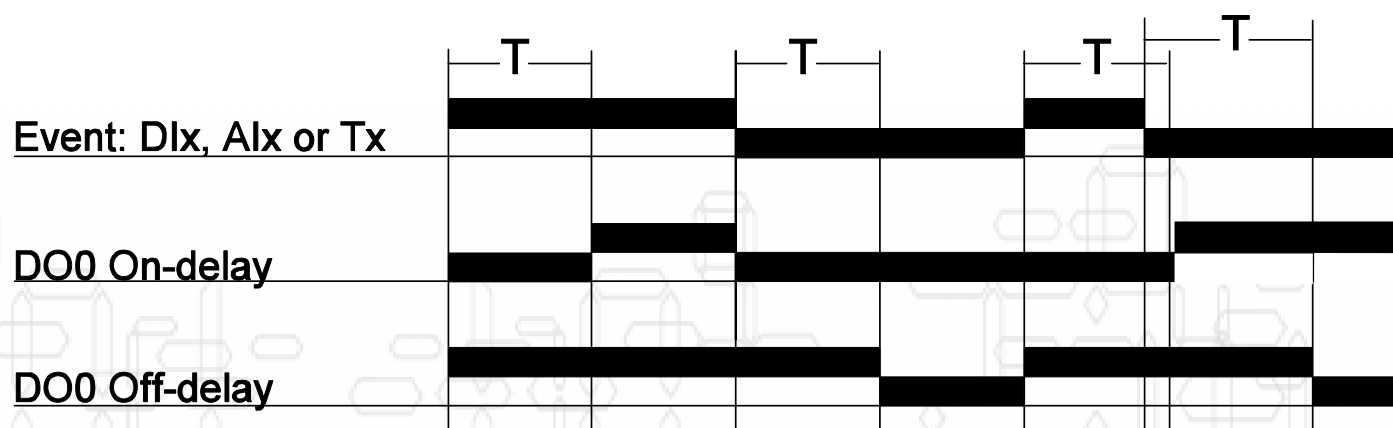
GC-10 Timer Function 1



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

230 VAC / 24-60 VDC

AI0

0-10 V / 4-20 mA

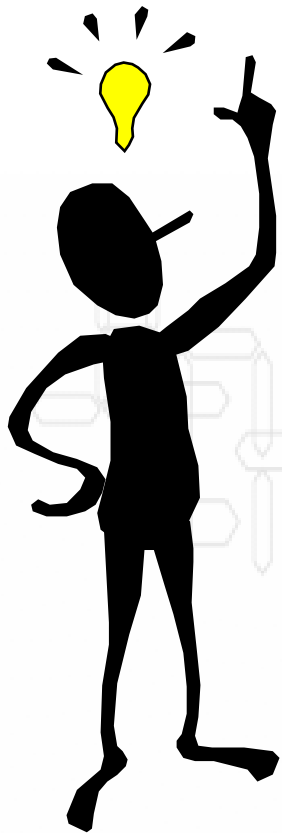
AI1

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