

GsmControl-A

Remote Communication Module

ys6346
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catalogue section 30



Description

The GsmControl-A is a combined GSM (cell phone) modem and input/output module. The module's outputs can be remotely operated using text commands from a user's mobile phone, and text messages can be automatically sent to the remote user's phone on activation of the module's inputs. The GsmControl-A can therefore be used in a range of applications requiring remote control and status notification:-

- Remote start/stop of engine or electrical equipment
- Automatic notification of status changes or faults
- Water level and irrigation control
- Unauthorised entry or intrusion
- Vehicle theft
- Electrical equipment trip operation

Two control outputs are provided in the form of volt-free SPST contacts, suitable for driving most control circuits, e.g. engine start, valve opening, fault reset, etc. The two inputs are designed to work with remote volt-free contacts, and may be configured so that a notification message (as cellphone text or fax) is sent out on contacts closing, opening or both.

Basic configuration of inputs, outputs and phone numbers can be achieved using SMS text commands, but an optional programming kit (PC software and RS232 link hardware) allows more advanced setup, e.g. customised text messages.

Control and configuration of the GsmControl-A is restricted to authorised users only: the module will only respond to text messages that contain an authorised PIN code sent from authorised (pre-programmed) phone numbers.

The GsmControl-A is housed in a compact, DIN rail mounted case. The front facia includes 5 LEDs for indication of input, output and GSM signal status. Electrical connection of the power supply, inputs and outputs is by screw terminals above and below the front facia. An RJ11 telephone type connector provides for connection with the optional programming kit.

- **Mobile phone, text message control of remote equipment**
- **Text message notification of remote plant status and faults**
- **Dual band GSM coverage**
- **Configured using SMS or PC**
- **LED indication of input, output and signal status**

Product specification

Electrical:	
power supply voltage	8 – 38 Vdc / 6 – 29 Vac
power consumption	3W _{MAX} @ 24 Vac 60mA standby, ~100mA peak transmitting
inputs x 2	requires remote SPST contacts, contact rating 40V _{MIN} /20mA _{MIN} dc
outputs x 2	SPST volt-free relay contacts, rated 1000VA @ 250 Vac
connection	screw terminals, 2.5mm ² (AWG14)
Network:	
network suitability:	suitable for all dual band GSM 900/1800 networks in UK, Europe and Asia Pacific (e.g. Vodafone, O ₂ , Orange and T-mobile). Not suitable for North and South American continents.
RF output	class 4 (2W) for EGSM900 class 1 (1W) for DCS1800
sensitivity	-102dBm or better
SIM card	mini SIM card for GSM network
General:	
temperature range	-10 to +55°C
weight	180g
dimensions H x W x D	58 x 71 x 90 mm
mounting	EN-50022 rail 4 modules enclosure
protection class	EN-60529: IP40 (properly fitted)
certification	R&TTE directive 1999/5/EG low voltage directive 73/23/EEC EMC directive 89/336/EEC

The module features an omnidirectional antenna in its front facia. To avoid loss of signal, the module must not be mounted in a metal control panel or container. Please note: reliability and speed of operation is dependent on local GSM signal strength and network operator message handling. The GsmControl-A **MUST NOT** be used where failed or delayed messages will compromise safety-critical applications.

A full user guide with connection, configuration and operating details is supplied with every module.

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Front facia



- A. Power supply input
- B. SIM card holder
- C. Input and output terminals
- D. Input LED status indicators
- E. GSM operation LED indicators
- F. Output LED status indicators
- P. RJ11 programming socket

How to order

Stock number	Description
31.70.0002	GSM Control-A module
31.70.0003	GSM Control-A programming kit, complete with freeware for Windows®
31.70.0004	GSM Control-A modem SIM card

Configuration options

SMS text commands (from cellphone):

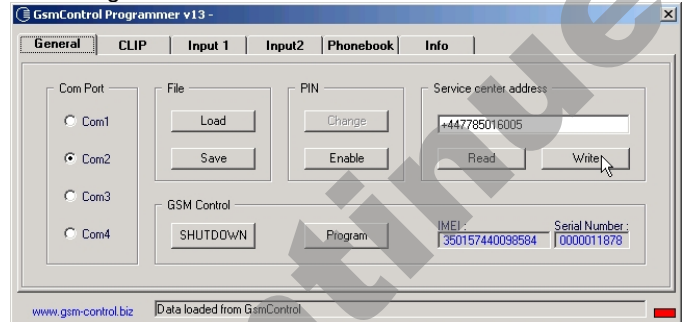
- add, replace, delete phonebook entries
- enable and disable input/output options

Optional program kit (RS232 link and PC Windows freeware):

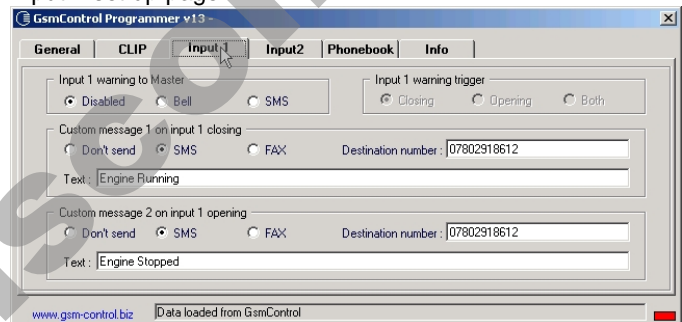
- add, replace, delete phonebook entries
- enable and disable input/output options
- write custom event-driven SMS messages

PC configuration freeware

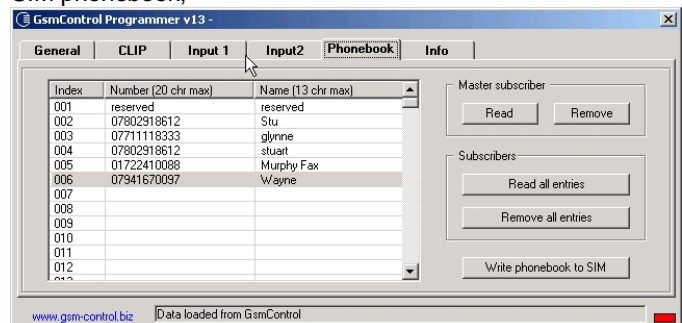
Menu Page



Input 1 set up page



SIM phonebook;



Warranty

A one year limited warranty on materials and workmanship is given with this product. Full details are available on request and at www.fwmurphy.co.uk/warranty.



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USA - ISO9001:2000 FM 28221
UK - ISO9001:2000 FM 29422

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