

GSM_Link

The GSM_Link is a telemetry outstation that operates on the GSM mobile telephone networks enabling telemetry to be installed anywhere where there is mobile telephone network coverage.

The outstation can communicate using SMS messages to and from a mobile phone and can also respond to GSM data requests from a Basestation.



Operation

Using Mobile Phone

Using a standard mobile phone a user is able to configure the *GSM_Link* to send them SMS messages showing the status of its inputs in an easy to read format.

The user can configure the inputs on the outstation to be alarm inputs. When the alarm criteria is reached the outstation will automatically dial out an SMS message to the user's mobile phone. Both changes in the state of digital input sensors or a change in analogue level can be configured to generate alarms.

Using a PC Basestation

Increased functionality can be achieved by using a PC Basestation to communicate with the *GSM_Link*. Using The Churchill Controls *GSM_PC_Link* PC software a database can be compiled of multiple outstations complete with configuration data for each. In addition to the handling of alarm calls and scheduling of outstation polling the base station can be used to retrieve logged data

Specification

- **Inputs**
 - 4 Digital (status, alarm or count)
 - 2 analogues 0-100mV or 0-20 mA customer configureable
- **Datalogging**
 - 3000 Analogue readings from each channel
 - 3000 pulse count readings from each channel
 - 500 digital events
- **Power supply**
 - Integral alkaline battery pack
 - 12 Volt DC
 - 24 Volt DC
 - 80 to 240 AC volt battery backed
- **Basestation**
 - Standard PC running Windows™ equipped with a GSM modem and running *GSM_PC_Link* software to:
 - Configure Outstations
 - Poll outstations at preset intervals
 - Accept incoming Alarm data calls
 - Downloading log data
 - System diagnosis

Features

- GSM communications, SMS and Data
- Low power up to 12 months operation on 3 alkaline "D" cells
- Compact 125 X 125 X 110 mm
- Datalogging
- 12 volt excitation for Analogue transducers



Unit 12 Station Industrial Estate
Wokingham, Berks RG41 2YQ
United Kingdom
Tel: (0118) 9892200
Fax: (0118)9892007
Email: sales@churchill-controls.co.uk
Website: www.churchill-controls.co.uk