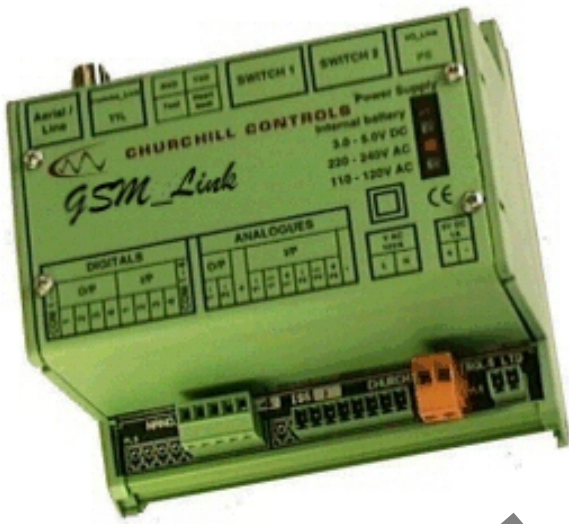


# GSM\_Link



The *GSM\_Link* is a telemetry outstation that operates on GSM mobile telephone networks enabling telemetry to be installed anywhere where there is mobile telephone 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. Both changes in the state of the digital input sensors or a change in analogue level can be configured to generate alarms. When the alarm criteria is reached the outstation will automatically:

- Send SMS message to up to 5 mobile phones
- Send live data call to a basestation
- Log exceptions in memory as time tagged events for subsequent download to the base station.

Any combination of the above actions can be configured.

### Using a PC Basestation

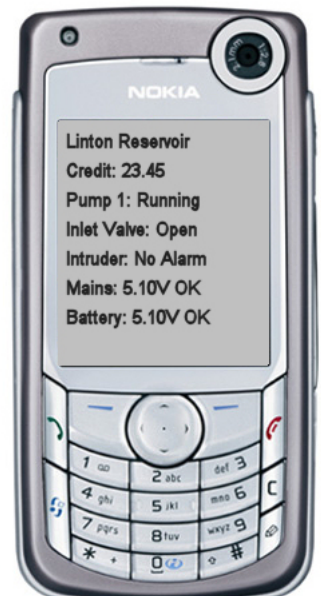
Increased functionality can be achieved by using a PC basestation to communicate with *Gsm\_Link*. Using the Churchill Controls *GSM\_PC\_Link* PC software a database can be compiled of multiple outstations complete with configuration data for each. In addition to the handling of alarm calls and the scheduling of outstation polling the basestation can be used to retrieve logged data

## Specification

- **Inputs**  
4 Digital inputs, can be configured as status alarm or count  
2 Analogues 0-100mV or 0-20mA customer configurable
- **Data logging**  
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  
80 to 240 AC volts battery backed
- **Basestation**  
Standard PC running windows™ equipped with a GSM modem and running *gsm\_PC\_Link* software to:  
Configure Outstations  
Poll Outstations  
Accept Incoming alarm data calls  
Downloading log data  
System Diagnostics

## Features

- GSM Communications, SMS and Data
- Low power, up to 12 months operation on 3 alkaline "D" cells
- Compact 125 X 125 X 110
- Data logging
- 12 volt excitation for analogue transducers



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