

dynamic logic



Series 4 Telemetry Outstation

The Series 4 is a mid-range telemetry outstation and data logger providing robust, economic monitoring

Product Description

The Series Four is a compact telemetry monitoring unit which transmits alarm or status information via the PSTN to a computer master station and/or up to five radio message pagers. In standard form the Series Four accepts 16 switched or digital inputs, a 'mains failure' signal, and 4 analogue inputs.

If an alarm condition arises on any input the Series Four visually changes that inputs status via the LED's located in the Front panel (this provides the engineer with an instant view of the status of all inputs without any additional tools). The unit then dials out to the master station or pager bureau.

If pagers are being used the alarm causes the first pager to bleep and display the appropriate preprogrammed alarm message. If the message is not acknowledged (by dialing the Series Four from any convenient telephone) within a preset time the alarm is transmitted to the second pager, and so on until the call is acknowledged or each pager has been called twice.

To interrogate the system the user calls from any convenient telephone, fixed or mobile, following which the pager displays a sequence of messages describing the status of each monitored input.

Specification

- **Physical Dimensions:**
H300mm x W205mm x D133mm.
- **Case Material:**
Grey G.R.P.
- **Weight:**
3kg.
- **Environmental Rating:**
IP65.
- **Front Panel LED Indication**
Digital Input Status one per Inputs
LED indication for 'Mains present'
LED indication for Charging circuit is active with power on and when the battery is healthy when power is off.
- **Digital Inputs – 16 maximum:**
Voltage input:
12V-240V ac or dc = Signal on
Less than 12v = Signal off
Voltage free:
1K max switch resistance = Signal on
Open circuit = Signal off
- **Analogue Inputs – 4 maximum:**
Voltage inputs 0-2V.
Current input 0-20mA.
Pot input max. load on ref supply of 2K ohms.
(Reference voltage = 2 volts)
- **Connectors:**
All digital and analogue inputs are unpluggable screw terminals.
Maximum wire size for screw term. = 1.5sq mm.
- **Power Supply Requirements:**
Voltage:
240V a.c. +10%. Current. 20mA (avg.).
Connection:
Supplied with 2 metres of 3-core cable.
Fitted 13-amp plug.
- **Backup Battery Life:**
Approximately eight hours.
- **Telephone Connection:**
BT plug type: Four way (BT ref. 431A).
Cable length: Two metres (from base of box).
- **Communication Details:**
Via PSTN (Telephone) Baud rate 1200
Locally (RS232 serial) Baud rate 9600.
- **Interfaces options:**
DTS Master Station TG5 IMS
(Interrogation / Configuration Software)
Vodapage message pagers
BT message pagers.
GSM – Short Message System (SMS)

Applications

- The compact size, ease of operation and maintenance of these outstations makes them ideally suited to a wide range of applications in the utilities and industrial markets. These include the monitoring and control of:
 - Industrial Pollution
 - Water Hydrology
 - Rain
 - River
 - Tidal
 - Flood Warning
 - Small Pumping Stations
 - Environmental
 - Temperature
 - Wind
 - Humidity
 - Pressure
 - Pollution
 - Water and Sewage Plants
 - Building Services
 - Industrial Plant
 - Lifts and Escalators