

# *dynamic logic*



## **TG1150 Telemetry Outstation & Data Logger**

### **Product Description**

The **TG1150** outstation is a powerful, microprocessor-controlled data logging telemetry system. It is designed to communicate with the Master Station through the Public Switched Telephone Network (PSTN).

Data logging of up to 64 channels, where the maximum number of channel combinations is 128.

When used as a battery-operated station, the **TG1150** uses alkaline D cells. These provide up to three years life, depending upon their configuration and usage.

When used as a mains-powered station, Internal re-chargeable Ni-Cad secondary cells provide continuity of operation and protection of logged data in the event of a mains failure.

## SPECIFICATION

### □ INPUTS

A large number of input options are available, as combinations of plug-in cards.

These include:-

**Analogue** - 4 or 16 channels in the range of: -  
4 to 20 mA  
0 to 10 mA  
0 to 2v  
1 to 10K ohms

**Digital** - 32 channels of: -  
closing contacts  
opening contacts  
change of contact state

**Shaft Encoder**-  
optical incremental

**Pulse Count** -up to 15 Hz

Parameter scaling and digital filtering can be applied to the relevant inputs.

### □ OUTPUTS

Alarm dial-outs will be generated whenever:-

- \* programmed values are exceeded
- \* programmed pulse counts are exceeded
- \* count calculations are exceeded
- \* there is a change of contact state

\* the database capacity is exceeded

\* programmed logical combinations are met

Control outputs to site equipment can be initiated directly from the Master Station, using an 8-channel plug-in-card.

### □ USER SUPPORT

Full self-diagnostics are provided, using local interrogation. An "Engineer on site" feature inhibits alarm dial-outs whilst site repair work is in progress.

A range of Field Interface units are available to provide further isolation from the environment and between equipments.

Re-programming of the outstation parameters in the field is possible, using Logmaster software.

A choice of maintenance contracts are available, to suit application requirements.

### □ PHYSICAL DIMENSIONS

Height 300mm x Width 205mm x Depth 133mm.

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The Company's policy is one of continued improvement and it reserves the right to change specifications at any time without notice.