

LC250 Weight Monitoring System

For Gaseous Extinguishant System



Key Features

- ◆ Fail-safe monitoring of extinguishant
- ◆ No moving parts
- ◆ Rigid construction
- ◆ Permanently attached to extinguishant bottles
- ◆ Simple installation
- ◆ Rapid calibration
- ◆ Heavier weight ranges available
- ◆ Complies with EMC and LVD directives

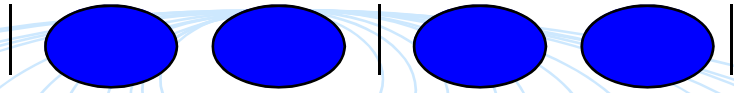
From the UK's leading control panel manufacturer



Assessed to ISO 9001: 2000
Certificate number 018



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Introduction

The LC250 gaseous extinguishant monitoring system provides fail-safe monitoring of gas extinguishant cylinders weighing 70kg to 140kg. The system monitors for leakage and indicates any fault that could inhibit normal operation.

The monitor has LED indications for supply healthy and fault conditions. Fault indication to a supervisory system is also available through voltage free contacts and a switched resistor. For monitoring large systems, up to 15 monitors can be linked to a supervisory system using standard interconnect leads. Each monitor is protected against power failure by storing its calibration data in non-volatile memory.

The load cells are fitted beneath each extinguishant cylinder. Each monitor is calibrated to initialise to the new extinguishant load. This is indicated by the Healthy LED pulsing for 2 seconds. If the monitored weight is within acceptable limits, the Healthy LED illuminates continuously and the auxiliary fault outputs are reset. If the weight of the monitored load reduces by more than an acceptable amount, the monitor indicates a fault condition. If any condition occurs that could inhibit normal operation, the device switches the fault contacts and visually indicates the fault.

Technical Specifications

Operating voltage:	22v to 28v DC
Quiescent current:	70mA
Maximum current:	70mA
Operating range:	70kg to 140kg
Weight loss indication:	2% - 4.6% (2.8% - 4.3% over 120kg to 140kg)

Part Numbers

2500/507

Weight monitoring system (1 load cell and 1 control unit)

From the UK's leading control panel manufacturer

Control Equipment Ltd, Hillcrest Business Park, Cinderbank, Dudley, West Midlands, DY2 9AP, United Kingdom

Phone: +44 (0)1384 458651 Fax: +44 (0)1384 458972
Email: celsales@controlequipment.co.uk Website: www.controlequipment.com

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