

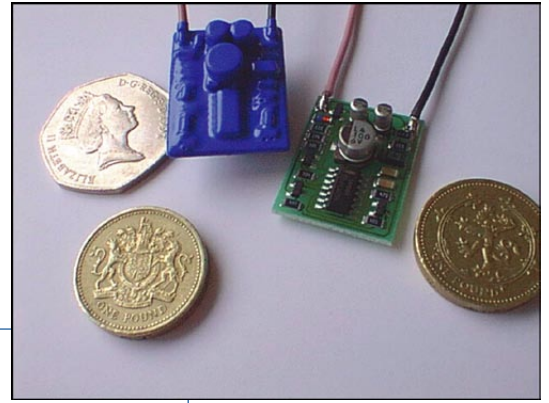
LCMU

Line Continuity Monitoring Unit

To comply with amendment 12.6.2.f of BS5839: part 1: 2002 which requires that call points remain operational upon removal of detectors, the Line Continuity Monitoring Unit (LCMU) may be fitted in place of the end of line resistor.

Features

- Easy to install
- No additional wiring point
- Low cost
- Sub-miniature design
- Environmentally sealed



Product Overview

- To use this method of monitoring, the breaking connection of the detector base must be fitted with a diode. To ensure correct operation over a wide supply voltage range and with up to 20 detectors removed, a Schottky type BYV-1060 is recommended. These devices are, however, very sensitive to electrostatic discharge and extra care should be taken when handling or cable testing.
- It is also necessary to fit a 47uF capacitor to the detection line terminals on some of the control panels (not K3000 series or Sigma CP). Extreme care should be taken when fitting the capacitor in the panel as they are polarity conscious. The LCMU itself is also polarity conscious and the polarity is indicated in the normal manner i.e. black wire is always negative. A wrongly connected LCMU will produce a short circuit fault condition.
- Due to the use of surface mount technology components, the LCMU is probably the smallest device of its kind on the market. This enables the device to be fitted either within the last device on a zone or in the back box, eliminating the need for an additional wiring point.

Technical

Size	- 25mm x 20mm x 8mm
Finish	- conformal powder coating
Colour	- blue
Normal current	- 5mA at 28V
Fault condition current	- 750uA 50V
Maximum zone cable resistance	- 20 ohms
Panel capacitor	- 47uF 50V
Operating voltage	- 15V to 30V
Terminal connections	- bootlace ferrules
Lead colours	- K1406K - pink/black K1406C - orange/black K1406N - red/black

Range

Product Code	Description
K1406K	Line Continuity Monitoring Unit 6k8
K1406C	Line Continuity Monitoring Unit 8k2
K1406N	Line Continuity Monitoring Unit 5k6

Not required on K3000 series or Sigma CP panels

