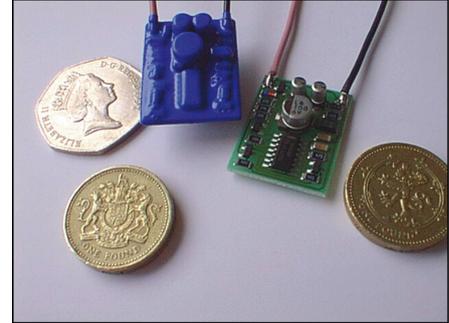


LCMU

Line Continuity Monitoring Unit

Features

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



Description

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 47 μ F 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.

Panels

Product Code	Description	Size (mm)
K14060	Line Continuity Monitoring Unit 6k8	25 x 20 x 8
NF14060	Line Continuity Monitoring Unit 5k6	25 x 20 x 8
KID14060	Line Continuity Monitoring Unit 3k9	25 x 20 x 8

Specification

Finish	Conformal powder coating
Colour	Blue
Normal current	5mA at 28V
Fault condition current	750uA 50V
Max. zone cable resistance	20 ohms
Panel capacitor	47uF 50V
Operating voltage	15V to 30V
Terminal connections	Bootlace ferrules
Max. detectors supported	20 per zone
Lead colours	K1406K - pink/black
	K1406C - orange/black
	K1406N - red/black

