



► GFE-ISO-BASE

Detector Base with Loop Isolator

The **GFE-ISO-BASE** has been designed to provide protection against short circuit faults on a **GFE JUNIOR** or **JUNO-NET** Analogue Addressable systems. The isolator protects the loop in the event of a short circuit by disconnecting the section of the loop where the short circuit has occurred. When the fault has been rectified, the isolating circuitry reconnects the affected part of the System.

The GFE-ISO-BASE is compatible with **GFE's range of analogue addressable detectors**. The Yellow LED is provided to indicate there is a short circuit in the loop. The GFE-ISO-BASE is polarity sensitive and can be damaged if connected with reverse polarity. Please be sure to note the polarity indicated at the wiring terminals. Up to 32 devices may be fitted between each isolator (EN54) or 20 devices for BS5839 compliance.

Under normal conditions the GFE-ISO-BASE provides a low resistance of 0.1 mOhm in either direction. When a short circuit condition is detected the isolator switches to the open state thereby isolating the "Loop IN" and "Loop OUT" lines. The isolated section is tested every 3 seconds with a voltage pulse and is automatically reconnected when the load resistance is greater than 175 Ohms.

TECHNICAL SPECIFICATIONS	GFE-ISO-BASE
LOOP OPERATING VOLTAGE	17 V to 40 V
LOOP CURRENT - QUIESCENT	0.190 mA @ 28 V DC nominal
LOOP CURRENT - ISOLATED LED ON	2.8 mA @ 28 V DC nominal
MAX. CABLE SIZE	2.5 mm ²
MAX. HUMIDITY	95% RH Non-Condensing
DIMENSIONS	100 (D) x 40 (H) mm
WEIGHT	90 g
OPERATING TEMPERATURE	0°C to +40°C
STORAGE TEMPERATURE	-10°C to +50°C
ORDER CODE	DESCRIPTION
GFE-ISO-BASE	Detector Base with Loop Isolator