6000PLUS/REPEATER

- **Loop powered repeat panel**

- **Low current consumption**

- **4.4" QVGA monochrome LCD**

- **Multi-language capability**

- **Environmentally friendly**

- **Cost effective to install**

- **Surface or recess mounted**

- **Compact size**

- **Fire alarm controls to EN54 Part 2**

The 6000PLUS/REPEATER can be connected directly to the local Algo-Tec™ digital addressable data loop and takes up just one address. Events from the main panel are displayed on the repeater's large LCD display, providing system indication of any loop connected location on site. The low power consumption allows numerous repeat devices to be fitted, greatly increasing system visibility.

The power consumption of the repeater has been minimised through energy efficient design, preserving loop current and capacity. Quiescent 1.6mA, Alarm 12.7mA

The repeater can be surface or flush mounted as standard, allowing gland or conduit entrance through the rear, top or bottom of the enclosure. The device only requires a loop connection to provide both power and data, no network cabling, or external power supply is required.

Events are categorised and clearly displayed for intuitive navigation of the system status, whilst large graphical indicators show a general system overview.

A help menu displays a list of status specific tool-tips to aid the user in accomplishing tasks, such as silencing the internal buzzer or performing a lamp test. If the user requires additional help, the contact details for site engineers and the installer are available on the screen.
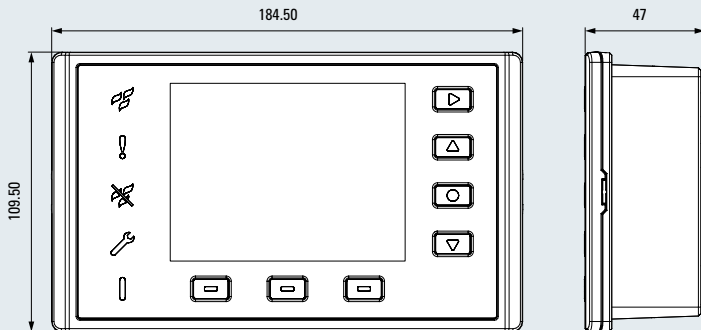
The unit has the capability of controlling basic functions of the host 6500 control panel. Accept, Silence Alarms, Sound Alarms and Reset. The device can be configured to enable none, one or more of these functions to suit site requirements. The control of the 6500 via these functions has been third party tested to ensure compliance with EN54-2.

The graphical user interface caters for most Western European languages as standard. The language for event strings is replicated from the control panel.
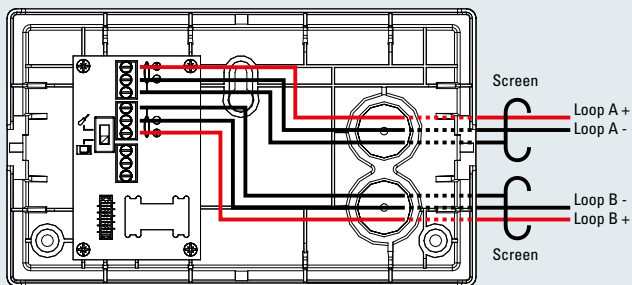
The fast USB configuration tool allows the device to be programmed with site specific data, such as contact details for site engineers and the installer along with custom logos and settings.

Technical Specification

Dimensions (mm)

184.50

47

109.50

Typical Wiring

Screen

Loop A +
Loop A -

Loop B -
Loop B +

Screen

Technical Specification

Environment	-10°C to +50°C (95% R.H. non condensing)
Ingress protection	IP30
Weight	310g
Loop powered	Yes
Loop voltage	16 - 28V
Device protocol	6000/6000PLUS
Panel compatibility	6500
Flush cut-out (mm)	175(W), 100(H)
Cable entry points	2 rear, 2 top, 2 bottom & 1 side

Loop load (average at 24V loop)

Panel normal	1.6mA
Panel mains fail	13.1mA (4.7mA after 5min)
Panel in alarm	12.7mA

Technical
Indicators -
Fire, Fault, Disablement, Test, Power.

Indicator Cadence -
Flashing 1Hz: New Event,
Solid: Accepted Event.

Buzzer Cadence -
4Hz: New Fire Event,
0.5Hz: New Other Event.

Event Categories -
Fire, Fault, Disablement, Test, Alarms.

Event Depth -
30 events per category (FIFO).

Local Controls -
Accept System Status, Lamp Test.

6500 Panel controls -
Accept, Silence Alarms, Sound Alarms,
Reset.

Protec
Fire and Security Group Ltd