6000/LOOP/REPEATER

- **Loop Powered Repeat Panel**

- **Low Current Consumption**

- **4.4" QVGA Monochrome LCD**

- **FAST™ Addressing**

- **Multi-Language Capability**

- **Environmentally Friendly**

- **Cost Effective to Install**

- **Surface or Recess Mounted**

- **Compact Size**

The 6000/LOOP/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.

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

Installation
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.

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

User Assistance
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.
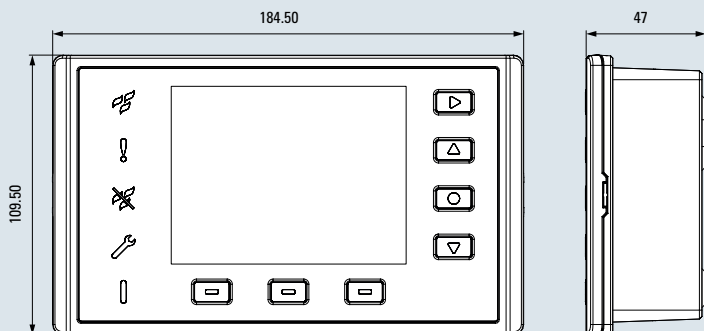
Multi-Language Support
The 6000/LOOP/REPEATER's graphical user interface caters for most Western European as standard. The language for event strings is replicated from the control panel.
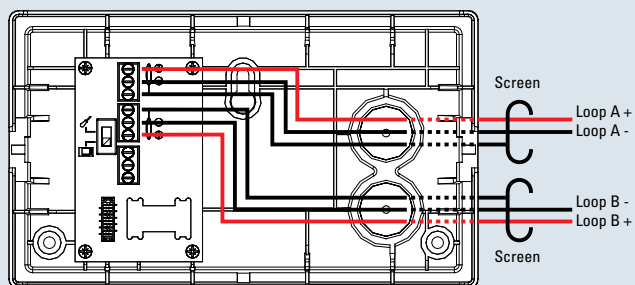
USB Configuration
The fast USB configuration tool allows the device to be programmed with site specific data, such as contact details for site engineers and the installer along with custom logos and settings.

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	Algo-Tec™ MX1
Panel Compatibility	6100, 6300, 6400, 6500 & 6600
Flush Cut-out	W 175mm, H 100mm
Cable Entry Points	2 Rear, 2 Top, 2 Bottom & 1 Side

Loop Load (average at 24V loop)

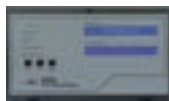|	
Panel Normal	1.6mA
Panel Mains Fail	13.1mA (4.7mA after 5min)
Panel in Alarm	12.7mA

CE

Legacy Device Upgrade
The 6000/LOOP/REPEATER is a functional upgrade for Protec's legacy Loop LCD devices.

6300/LOOP/LCD

6400/LOOP/LCD

No Control Panel update is required.

Order Code
6000/LOOP/REPEATER

Technical
Indicators -
Fire, Fault, Disablement, Power.

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

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

Event Categories -
Fire, General Alarm, Disablement, Pre-Alarm, Other (Fault).

Event Depth -
30 events per category (FIFO).

Controls -
Accept Status (Local), Lamp Test.

Protec
Fire and Security Group Ltd