

- NOMS compliant
- Alarm Reset & Lamp Test Buttons
- Alarm, Power, Fault Twin Chip LED Indication
- Available in 20, 40 and 60 Way Options
- Fully Fault Monitored & Tamper Resistant
- Key & Proximity Reset Switch Options Available
- Internal Audible Alarm
- Repeat Only (No controls) Units Available
- Rugged Steel Enclosure



Equipment Overview

Within a prison environment, a general alarm system is required in all areas accessible to prisoners, to allow a member of staff to call for assistance, and so Protec Fire Detection have designed and manufactured their range of general alarm equipment.

Indicator Panels are typically mounted within a secure office or entrance lobby and are used to display all general alarms raised locally within a particular section of an establishment. Protec's range of Indicator Panels and Repeat Indicator Panels have been designed to comply with the latest NOMS technical specification to provide clear, cost effective yet robust solution to suit most prison and custody cell applications.

Mode of Operation

Upon activation of a general alarm call point (3000/GA/HMP or 6000/GA/HMP), the corresponding zonal (Red) LED will be lit, and an internal buzzer will sound on the Indicator Panel and any Repeat Indicator Panels.

The zonal LED is then used in conjunction with a wall mounted zonal chart, to identify the location of the alarm. Where multiply alarms have been raised, all associated LED's will be lit, and stay lit until all alarms have been answered. Once the incident(s) have been dealt with, the system is reset by pressing the reset button on the Indicator Panel.

In areas where inmates have access, and where a unit would be prone to tampering a Repeat Indicator Panel can be installed which has the same display as the Indicator Panel but has no "ALARM RESET" buttons.

If a general alarm call point has been tampered with or there is an open circuit fault on the cabling an alarm will be raised on the indicator panel. In the event that a call point has been tampered with the "TAMPER" (Amber) LED will be lit and the internal buzzer will sound. Where there is a local power failure, the "POWER ON" (Green) LED will be extinguished and the "POWER FAIL" (Red) LED will be lit.

To confirm all the indicator panels LED's are functioning correctly, the Indicator Units come complete with a "LAMP TEST" push button.

Technical Specification

20WAY/IP/HMP 20 Way Indicator Panel

Facilities	20 LED Zonal Display, Power and Fault LED, Alarm Reset & Lamp Test Button
Box Size	260mm x 160mm x 100mm Surface, Finished - Green (Yellow/Green)
Material	Die Cast
Finish	Unlaquered

40WAY/IP/HMP 40 Way Indicator Panel

Facilities	40 LED Zonal Display, Power and Fault LED, Alarm Reset & Lamp Test Button
Box Size	330mm x 235mm x 140mm Surface, Finished - Green (Yellow/Green)
Material	Die Cast
Finish	Unlaquered

60WAY/IP/HMP 60 Way Indicator Panel

Facilities	60 LED Zonal Display, Power and Fault LED, Alarm Reset & Lamp Test Button
Box Size	330mm x 235mm x 140mm Surface, Finished - Green (Yellow/Green)
Material	Die Cast
Finish	Unlaquered

20WAY/RIP/HMP 20 Way Repeat Indicator Panel

Facilities	20 LED Zonal Display, Power and Fault LED
Box Size	260mm x 160mm x 100mm Surface, Finished - Green (Yellow/Green)
Material	Die Cast
Finish	Unlaquered

40WAY/RIP/HMP 40 Way Repeat Indicator Panel

Facilities	40 LED Zonal Display, Power and Fault LED
Box Size	330mm x 235mm x 140mm Surface, Finished - Green (RAL6018)
Material	Die Cast
Finish	Unlaquered

60WAY/RIP/HMP 60 Way Repeat Indicator Panel

Facilities	60 LED Zonal Display, Power and Fault LED
Box Size	330mm x 235mm x 140mm Surface, Finished - Green (Yellow/Green)
Material	Die Cast
Finish	Unlaquered

Key Features

All Indicator Panels are manufactured from steel, finished in green (yellow/green) and are surface mounted. The indicator panels LED's are protected by a 3mm thick polycarbonate screen and as standard both the "ALARM RESET" and "LAMP TEST" push buttons are vandal resistant and shrouded. The units are also monitored for tamper and fault. To suit the general requirements of the Prison Service, both the Indicator and Repeat Indicator units are available in three size options;

Part No.: 20 Way / Zone Unit - Used in small to medium sized buildings

Part No.: 40 Way / Zone Unit - Used in medium sized buildings

Part No.: 60 Way / Zone Unit - Used in large sized buildings or as the main site wide indicator panel located in the control room.

Protec are also able to offer the following 'standard' additional options to the Indicator Panel on all sizes;

Key Operated Alarm Reset and Lamp Test Switches - Used to prevent accidental or malicious premature resetting of alarms.

Generally this are used in areas where inmates may have access Proximity Key Fob Operated Alarm Reset and Lamp Test Switches - Used to prevent accidental or malicious premature resetting of alarms. Generally this are used in areas where inmates may have access. Protec Fire Detection plc has an in-house manufacturing department and are therefore able to provide bespoke units to meet the specific requirements of individual establishments.

Please contact our sales department for further details.

Technical Features

All Indicator and Repeat Indicator panels are low voltage devices (24Volt dc), with their supply voltage being provided via a multicore 'serial link' cable wired direct from the PLC Control Panel. The size of the multicore is dependent on the size of the unit required;

20 Way / Zone Unit - 30 Core cable (minimum)

40 Way / Zone Unit - 50 Core cable (minimum)

60 Way / Zone Unit - 70 Core cable (minimum)

No. of Ways / Zones plus 10 Cores

All the Indicator Panel's and Repeat Indicator Panel's are fully compatible with Protec's General Alarm range of products.