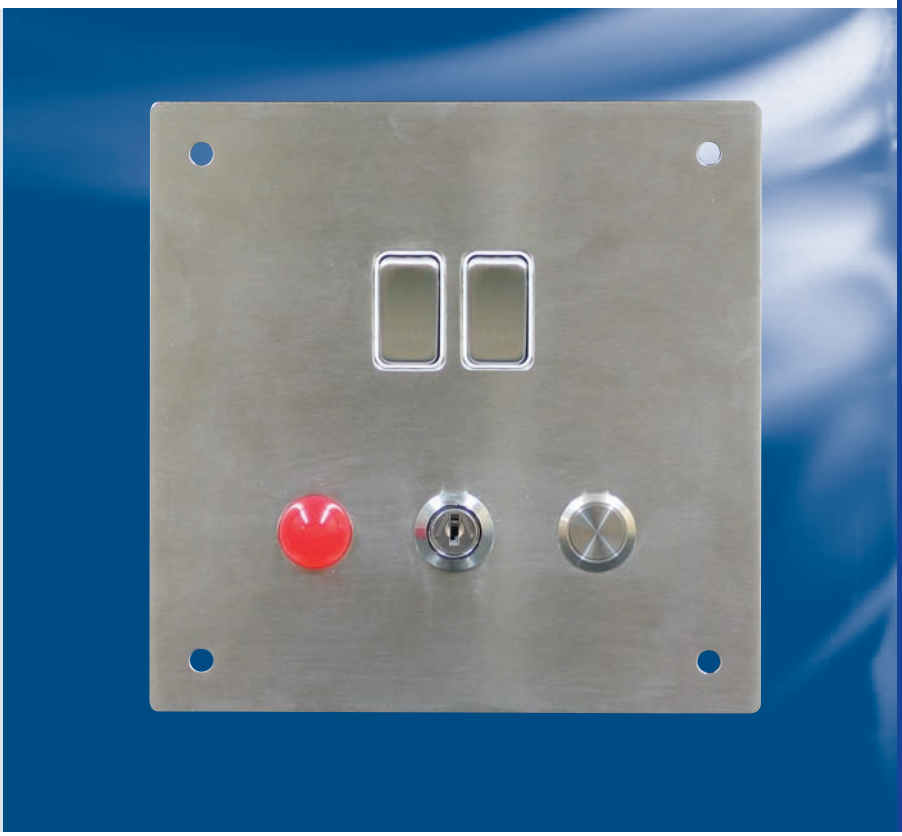
Protec Fire Detection plc

Corridor Reset Units

- NOMS compliant
- Rugged Stainless Steel Construction
- Shrouded and Vandal resistant Reset Button
- Vandal Resistant Cell Activation LED
- Attendance Mode Key Switch
- Cell & Night Light Switch Option Available
- Fully Fault Monitored and Tamper Resistant
- In-built Night Watchman's Pegging System



Equipment Overview

In order to comply with the 1952 Prison Act, which requires every detention cell to have a means to communicate with the Wing Office, Protec Fire detection plc have designed and manufactured the 6400 range of cell call equipment.

Corridor Reset Units are mounted external to each cell and are used to provide a means to visually identify and locally reset a cell call. Protec's range of Corridor Reset Units (6000/CRU/HMP) have been designed to comply with the latest NOMS requirements and provide a simple, cost effective yet robust solution to suit all prison and custody cell applications.

Mode of Operation

Upon the activation of a in-cell unit push button (CCU/HMP), the LED mounted on the corresponding Corridor Reset Unit starts 'flashing'. Where multiple calls have been raised, all the associated cells Corridor Reset Units LED's will flash, and remain active until each call has been answered. Upon the acceptance of the call by pressing the 'MUTE' button on the Wing Office Display Unit the flashing LED on the Corridor Reset Unit will change to a constant state.

An Officer can only reset/cancel by attending the cell and operate either the 'reset' button or keyswitch. Once the officer attends the cell and locally resets the corridor reset unit, all the LED indicators on the corresponding corridor reset and landing indicator(s) are extinguished and the Wing Office Display Unit returns to its normal operating mode. If a call is not answered within a pre-determined time frame, the standard cell call changes to a 'priority call'. In this mode the Wing Office Display Unit internal alarm cannot be muted and the incident is logged as a 'priority call' on the system.

Where installed if an officer needs to enter the cell, they can operate a keyswitch to show that they are in 'ATTENDANCE' at a particular cell, the function of the in cell push button is altered to act as an emergency call button, which when pressed raises an 'EMERGENCY CALL' alarm on the system. Each event on the cell call systems are logged locally at the 6400/DCN/CC/HMP Control Node and by the Event Logging System PC unit, which both can be interrogated as part of a full audit if required.

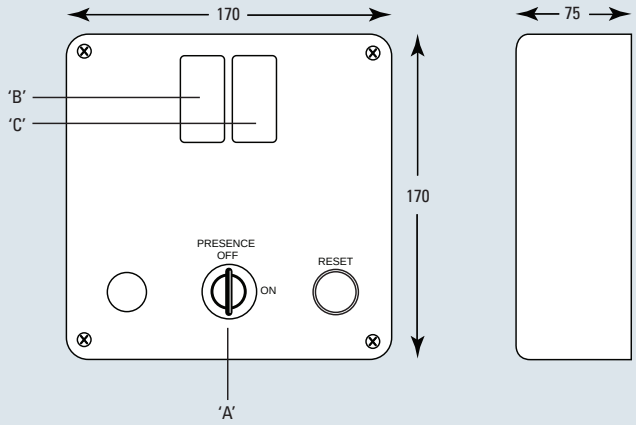
Technical Specification

6000/CRU/HMP Corridor Reset Unit

Facilities	Cell Call Reset Button Call Activation LED
Plate Size	170mm x 170mm
Box Size	Flush - 150 x 150 x 75mm (HxWxD) Surface - Details on Application
Material	BS 304S15 16swg - Stainless Steel
Finish	Unlaquered

Options	A	B	C	Product Code
CRU	0	0	0	6000/CRU/0/0/0/HMP
CRU	0	2W	0	6000/CRU/0/2W/0/HMP
CRU	0	2W	2W	6000/CRU/0/2W/2W/HMP
CRU	0	2W	I	6000/CRU/0/2W/I/HMP
CRU	0	3P	0	6000/CRU/0/3P/0/HMP
CRU	0	3P	I	6000/CRU/0/3P/I/HMP
CRU	A	0	0	6000/CRU/A/0/0/HMP
CRU	A	2W	0	6000/CRU/A/2W/0/HMP
CRU	A	2W	2W	6000/CRU/A/2W/2W/HMP
CRU	A	2W	I	6000/CRU/A/2W/I/HMP
CRU	A	3P	0	6000/CRU/A/3P/0/HMP
CRU	A	3P	I	6000/CRU/A/3P/I/HMP

Dimensions (mm)



Key	
A	Attendance Key Switch
2W	2W Light Switch
3P	3 Position Light Switch (Night Light, Centre Off, Main Cell Light)
I	Secret Key Switch for Isolation of Cell Power
0	Not Fitted

Key Features

All reset units are manufactured from stainless steel (BS 304S15 16swg) and are suitable for recess mounting on industry standard electrical back boxes.

As standard, all Corridor Reset Units are vandal resistant, tamper monitored and come complete with a reset button, cell activation LED. To suit the general requirements of the Prison Service, Protec are able to offer the following 'standard' additional options;

Protective Shroud - Each unit is supplied with a 6mm steel shroud to protect the electronic components from malicous attack from knife or blade.

(A)Attendance Keyswitch - Used to show that an officer is in 'ATTENDANCE' at a particular cell.

(2w/3P) Light switches (single and double) - Used for cell and / or night light modes.

(I) Local cell power isolation - Used to isolate the in-cell power supply of an individual cell

Technical Information

All Corridor Reset Units are low voltage 24Volt dc powered devices, with their supply voltage being delivered via a 4 core screened 'no single point failure' loop.

All units are monitored by a 6400/LPN/CC/HMP (Loop Processor Node) and 6400/DCN/CC/HMP (Control Node) and all events are displayed on a display panel (6400/WODU/HMP) and logged on a Event Logging System PC.

The corridor reset unit houses the main cell call interface unit and electronics which monitor and control all inputs from the in-cell call unit (CCU/HMP). The in-cell call unit and corridor reset unit are connected via a 6 core screened cable. A maximum number of 200 corridor units can be installed per Loop Processor Node (50 units per loop). Additional 6400/LPN/CC/HMP's can be installed on the RS485 network, increasing the number of units per system and so meeting the requirements of even the biggest sites.

Additional Information

A particular feature of Protec's Cell Call System is that it can be programmed to provide a full Night Watchman's Pegging System. Each reset button can operate as an individual pegging point with Protec's Event Logging System PC providing full display and system set up facilities. The system has been designed to be able to provide a wide range of different operating functions, with routes that can either be individually programmed or set up via inbuilt the auto-learn facility. The night watchman's system is standard with all cell call systems and is set up at commissioning stage.

As the pegging system utilises the cell call corridor reset units there is no requirement for additional devices or wiring and therefore it can be provided at no extra cost. This systems is of particular use for safer custody cells and for suicide watch, where the monitoring and confirmation of certain routes is vital. The units also have an in built officer protection programme, which raises an alarm if the required points have not been activated during a given period.

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