COOPER Safety
Fire Systems

SIGNALING

UL LISTED
4AC5
FIRE ALARM
EQUIPMENT

Passive Repeater Panel

ULCF3000PR - Passive Repeater Panel

Overview

The ULCF3000PR passive repeater panel is a cost effective repeater which is programmed via its 2 x 40 backlit LCD informative display to be either fully passive (display only) or semi passive (restricted system control) and can be connected to either the panel loop or the system network. If network connected an additional dual redundant network card will be required.

When loop connected the passive repeater panel will display the system information text of the connected control panel and will provide a fire indication, with panel number, of any connected network control panel that has fire activation.

The passive repeater, if loop connected will require programming with local test information.

In addition to the passive repeater panels menu driven 2 x 40 backlit LCD display, the panel also provides further system status information via 6 supervisory LED's (power on, alarm, trouble, supervisory, test in progress, and scroll).
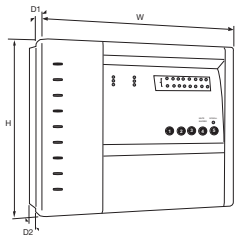
Features

- 2 x 40 Backlit LCD display
- 6 Supervisory LED's
- Fully passive
- Maximum of 20 repeaters can be connected to a loop
- Can be surface or semi-recessed mounted

Benefits

- Compact economy panel
- Menu driven LCD display
- Simple connection to panel SLC circuit reduces wiring and time
- Distance run up to 2kms from control panel without additional cable and equipment, saving cost

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Dimensions

H (mm)	W (mm)	D1 (mm)	D2 (mm)
270	332	45	47

Technical Specification

Code	ULCF3000PR
Description	Passive Repeater Panel
Standards	UL864 9th edition
System Indicators	
LED's	Power on, Alarm, Trouble, Test, Supervisory, Scroll LED's
Mains Input, Supervised	
Voltage	120V ac to 240V ac, 60Hz
Current	35mA
SLC Field Wiring	
Current	0.354mA
Wiring Gauge	12 (max) AWG
Wiring Class	Class A Style 7
Ground Fault	0.1Ω
Supervisory, Power Limited	Yes
Line Impedance	50Ω (max)
Batteries	
Batteries	1x12V dc, 3.2Ah, 0.1 derating
Battery Charge Current	0.4A
Standby Period	24 hours + 30 min alarm
Download Comms	RS232 port
Environmental	
Operating Temperature	0°C to 49°C
Humidity (Non Condensing)	0 to 93 %RH
Physical	
Dimensions (H x W x D)	270mm x 332mm x 92mm
Weight	3.6kg (with batteries)
Ingress Protection	IP30
Construction	PC/ABS, UL94 5VA rating
Colour	Light Grey or Graphite
Cable Entry	12 x 20mm knockouts top of back-box
Compatibility	
Suitable for use with	Cooper UL Fire Systems

Installation

1. Wall mounted by means of 4 fixing screws.
2. Cable entry at top or back.
3. 12 top entry gland holes with push out blanking plugs.
4. 4 separate rear access cable entry facilities.
5. Local mains supply required.

System Functionality

1. Panel operates in either normal, supervisor or engineer mode.
2. Supervisor and engineer modes are accessed via 4 digit pass codes.
3. Supervisor mode allows silence, evacuate and reset commands to be sent to host panel (loop connected) or to network (network connected).
4. Engineer mode enables password to be changed if required and allows access to text download menu.
5. When connected to the network, all text is transmitted via the network, changes to other network panels update automatically.
6. When connected to a panel intelligent addressable loop, text for host panel has to be programmed in to the repeater.
7. Zonal fire and fault indication is by means of 2 x 40 character LCD display.
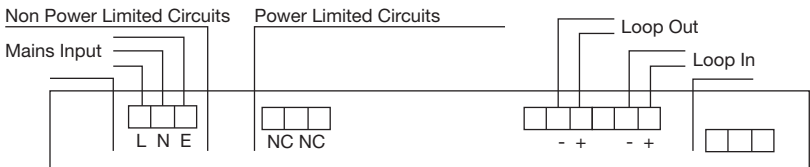
Device Overview

1. Panel can be connected to either the detection loop of a single panel or to a network as part of a networked system. (requires dual channel network card)
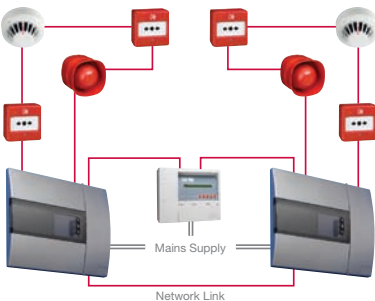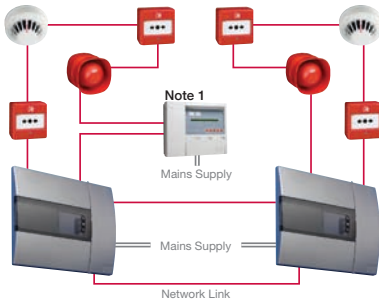2. Supplied with integral power supply and standby battery.

Standard Connection

Non Power Limited Circuits   Power Limited Circuits   Loop Out   Loop In

Mains Input

L N E   NC NC   - +   - +

Network Connected

Mains Supply

Network Link

Loop Connected

Note 1

Mains Supply

Mains Supply

Network Link

Note 1:
In this configuration the repeater would give 'text' information for the panel that is on the loop, but only address number for the other panel on the network.

Product Codes

Code	Description
ULCF3000PR	Intelligent Addressable Passive Repeater Panel
NCDR	Dual Channel Network Card (optional extra)