FIRE REPEATER PANELS – CONVENTIONAL
ORYX200 REPEATER RANGE

ORYX200
FIRE REPEATER PANELS

FEATURES

- 2, 4 and 8 Zone Versions
- Up to 7 Repeaters on the RS485 local closed bus with 1,200 metres of cable
- 22 V DC to 28 V DC Operating Voltage
- Events are logged on the ORYX Fire Panel's 1,000 event log
- Pluggable termination connectors with In and Out configuration for easy wiring and installation
- Key switch for user level access control
- 2x Programmable relays
- 2x Programmable inputs
- SOLAR Programming software
- Weatherproof version available
- PSU model available
- 3-Year Warranty

DESCRIPTION

The ORYX Conventional Fire Repeaters are used to display information from the ORYX conventional fire panels situated at a remote location. The repeater panels also offer control functionality in the form of Silence Buzzer, Silence Alarm, Sound Alarm and Reset buttons.

The enclosure options for the repeater panels are either an attractive, modern ABS enclosure, or an IP65 weatherproof metal enclosure, both of which have been designed for ease of installation.

The repeater panels can be supplied with or without a built-in power supply. If supplied without a built-in power supply, the repeater panel will need to be powered from the ORYX fire panel's auxiliary output provided this is not being used to power other equipment, or alternatively an external power supply may be used. Programmable inputs and relays allow for easy integration to auxiliary equipment.

The SOLAR software application is used to customize the panel's programmable features, providing unsurpassed flexibility, not generally associated with conventional panels.

The ORYX Repeater Panel will mimic all the master fire control panel's alarm indications. Up to 7 (seven) repeater panels can be connected to a single ORYX fire panel. The RS485 communication protocol allows cable runs of up to 1,200 metres total on the local bus in a ring topology.

SPECIFICATIONS

Enclosure	
2, 4 & 8 Zone Standard	ABS: Two-tone (White lid with Anthracite Grey RAL 7016 base)
2, 4 & 8 Zone Weatherproof	Mild Steel IP65, Matt Light Grey (ANP 37035)
Environmental	-5 to 40 °C
Humidity	95% RH, Non-condensing
Dimensions H x W x D	
2, 4 & 8 Zone Standard	270 x 330 x 125 mm
2, 4 & 8 Zone Weatherproof	450 x 390 x 143 mm
Weight	
2, 4 & 8 Zone Standard	± 1.6 kg (excl. PSU), ± 2.0 kg (c/w PSU)
2, 4 & 8 Zone Weatherproof	± 6.9 kg (excl. PSU), ± 7.3 kg (c/w PSU)
Cable Entries	
2, 4 & 8 Zone Standard	Top: 6x 20 mm, 5x 25 mm Back: 2x 20 mm, 4x 25 mm
2, 4 & 8 Zone Weatherproof	Bottom: 5x 20 mm, 2x 25 mm
Membrane LED Indicators	
ORYX202-R	3x Fire, 6x Fault, 13x Control & Information indications
ORYX204-R	5x Fire, 8x Fault, 13x Control & Information indications
ORYX208-R	9x Fire, 12x Fault, 13x Control & Information indications
Key Switch	Enable controls
Event Log	Events are logged on the ORYX Fire Alarm Control Panel (1,000 Logged events)
Power Required	22 V DC to 28 V DC
Current Consumption	
PCB Quiescent Load	
ORYX202-R	30 mA @ 24 V DC
ORYX204-R	30 mA @ 24 V DC
ORYX208-R	30 mA @ 24 V DC
PCB Alarm Load	
ORYX202-R	50 mA @ 24 V DC
ORYX204-R	60 mA @ 24 V DC
ORYX208-R	70 mA @ 24 V DC
Number of Repeated Fire Zones	2, 4 or 8
Programmable Relays	2, 4 or 8 relays rated 30 V AC/DC, 1 A maximum
Programmable Inputs	2 Fully monitored
Monitored Inputs EOL	3k3
Alarm Threshold	400–800 (Nominal 680)
Communication Protocol	RS485 @ 1,200 metres maximum

ORDERING INFORMATION

Product Code	Product Description
ORYX20x-R	x Zone Conventional Repeater Panel (no PSU)
ORYX20x-RPSU	x Zone Conventional Repeater Panel c/w PSU
ORYX20x-RW	x Zone Conventional Weatherproof Repeater Panel (no PSU)
ORYX20x-RWPSU	x Zone Conventional Weatherproof Repeater Panel (c/w PSU)

x = Available in 2, 4 and 8 Zone versions

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