

AaralRP

FIRE ALARM REPEATER PANEL



General

The active repeater panel is designed with an ARM 32-bit microcontroller with high resolution (480 x 272 pixels) 4.3 inch graphical LCD display with a symbolic representation of system status and controls keys for easy access. The repeater requires an external power supply of +24VDC (nominal) to operate. Power may be taken from the auxiliary supply of the control panel or from any other suitable dc power supply. The repeater includes an integral self test sequence guiding the operator to test the functionality of the LED. Individual Keys are provided for Reset, ACK, Silence & Evacuate. This repeater panel shall be communicated with control panel in two different methods, one is through in-built RS485 which is a class B network and another one is through Network Interface card (NIC) which is a Class A network.

Features

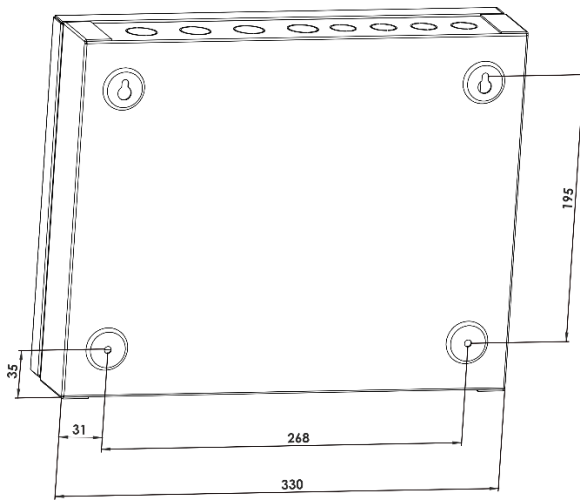
- Complies UL 864 10th Edition.
- Active repeater.
- 10,000 events log with RTC per each node with distributed different search option.
- Programmable reminders for alarm, supervisory and fault.
- One Form C fault relay.
- All field wiring is power limited and supervised.
- USB 2.0 interface for PC connectivity.
- Field upgradeable.
- Network Interface Card (NIC) Optional.



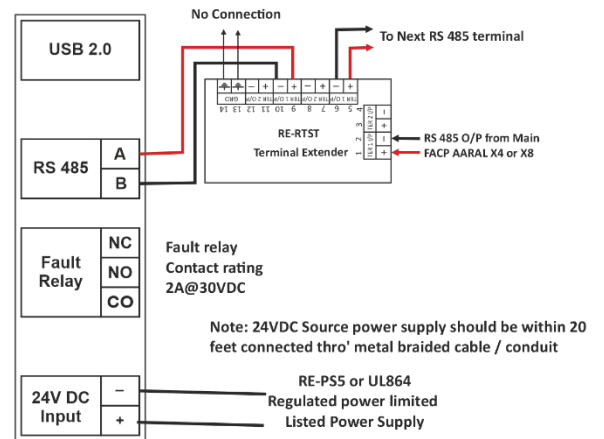
Specification

Electrical Specification		
<i>Operating Voltage</i>	24VDC	
<i>Operating Condition</i>	Operating temperature 0 – 49° C / 32 – 120° F Relative humidity 93 ± 2% RH (non-condensing)	
<i>Storage Temperature</i>	0 – 60°C	
<i>Quiescent Current</i>	160mA	
<i>Fault Relay</i>	Type	Form C
	Quantity	1 No's
	Relay contact rating	2A @ 30 VDC
	Power factor	1.0
<i>Network</i>	RS 485 or NIC	
<i>Wire Size</i>	2.5 Sq mm (#12AWG) Max	
<i>Dimension</i>	330W x 260H x 99D in mm	
<i>IP rating</i>	IP 50	

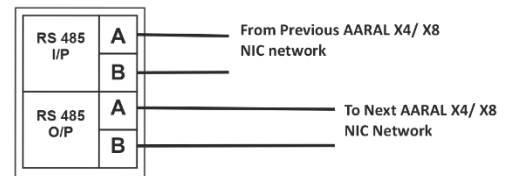
Dimensions



Wiring Configuration

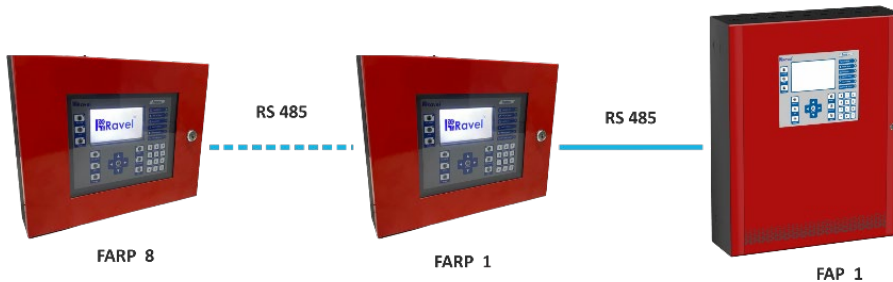


NIC Terminal:

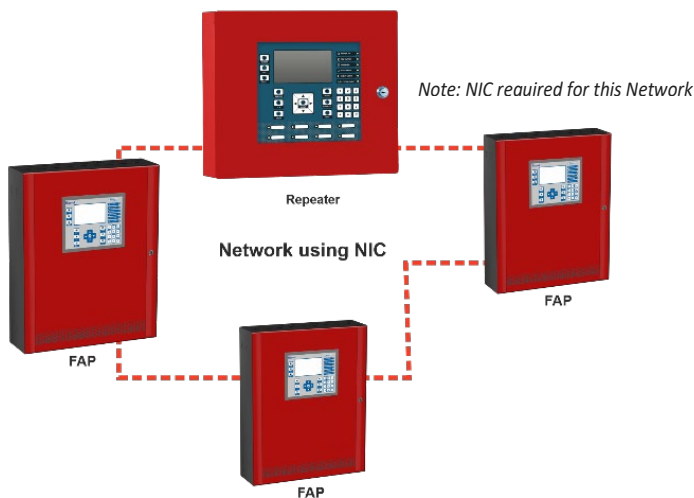


Network

- RS 485 Network



- NIC Network



Compatible Panel

Models	Description
<i>Aara/ X4</i>	Analogue Addressable Fire Alarm Control Panel expandable upto 4 loops
<i>Aara/ X8</i>	Analogue Addressable Fire Alarm Control Panel expandable upto 8 loops

Ordering Information

Model	Description
<i>Aara/ RP</i>	FARP, complete system with user interface,main CPU, 24VDC supply and NIC card ordered separately for network.
Accessories / Replacement	
<i>AR-RPMB</i>	Repeater Mother Board
<i>AR-XDSB</i>	Display Board
<i>AR-XNIC</i>	Network Interface Card
<i>AR-RTST</i>	Terminal Extender for repeater RS485

India

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*Ravel reserve the right to change the specification without prior notice.

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