



PFS
SINCE 2003

Paramount

Fire & Safety Co L.L.C

Stands as a preeminent force within the fire and safety industry, distinguished for our expertise.

TECHNICAL MATERIAL **SUBMITTAL**

FIRE EXTINGUISHING SYSTEM

USED FOR ALL FIRE SUPPRESSION

SYSTEM

FM200
NOVEC-123
CO2 SYSTEM
FOAM SYSTEM
AEROSOL SYSTEM

BRAND : RAVEL
UL-LISTED



RE-25AR

CONVENTIONAL AGENT RELEASE PANEL

General

RE-25AR Agent Release Panel fully complies with UL-864 and NFPA-72. While implementing the latest in microprocessor technology for conventional panels ease to operate along with clear visible indications come at an advantage for the end user. These panel are a feature packed control unit performing dual function of detection and controlled release of gaseous agent. This panels have various correlation options like four zones for one agent release circuit or two detection circuit for one agent release circuit or another two detection for another agent release circuit The panel have all the safety features to prevent accidental release, easy to install, commission with user friendly programmable option, this panel is ideal choice to protect the premises.



Features

- 16x2 Dot Matrix LCD display.
- Operates on 120-220VAC -15% +10%, 60 / 50 Hz, mains power supply.
- 4 Class B Initiating Device Circuit (IDC).
- All zones accept smoke detectors and any normally open contact device.
- Any Zone can be configured as alarm or supervisory zone.
- 2 Class B Programmable Releasing Agent Circuits (RAC).
- 2 Class B Notification Appliance Circuits (NAC).
- Standby (battery) backup 24V DC power supply with built in charger
- Main, Standby status audio visual indication.
- Battery Low audio visual warning tone.
- 3 Form C programmable relays for fire / fault /supervisory / Gas Released.
- Two modes of operations Auto / Manual.
- Programmable 24V DC Outputs.
- RS 485 Communication facility (Optional).
- 198 Events history log with RTC.
- Walk Test facility.
- Zone Isolation facility with voltage cut off.
- Earth fault annunciation facility.
- All field wiring circuits are power limited except 220VAC and Battery.
- All field wiring circuits are supervised.
- AC low voltage cutoff.
- Programmable RAC's with count down timer.
- Programmable AC loss delay.
- Programmable trouble remainder.

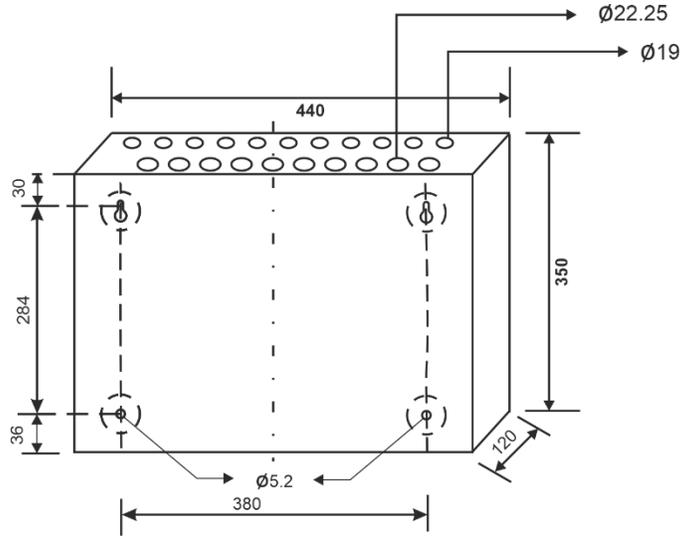
Special Features

- UL Listed (9th Edition).
- Switch Mode Power Supply.
- Modular Construction, Serviceable.
- Special logic circuitory to prevent accident release.
- Auto Resettable Fuse.
- Surge Protected.
- Battery polarity & deep discharge protection.
- Variable solenoid ON / OFF time.
- Separate LED indications on front facia for individual Releasing Agent Circuit.
- Lock and key facility for authorized access.

Specification

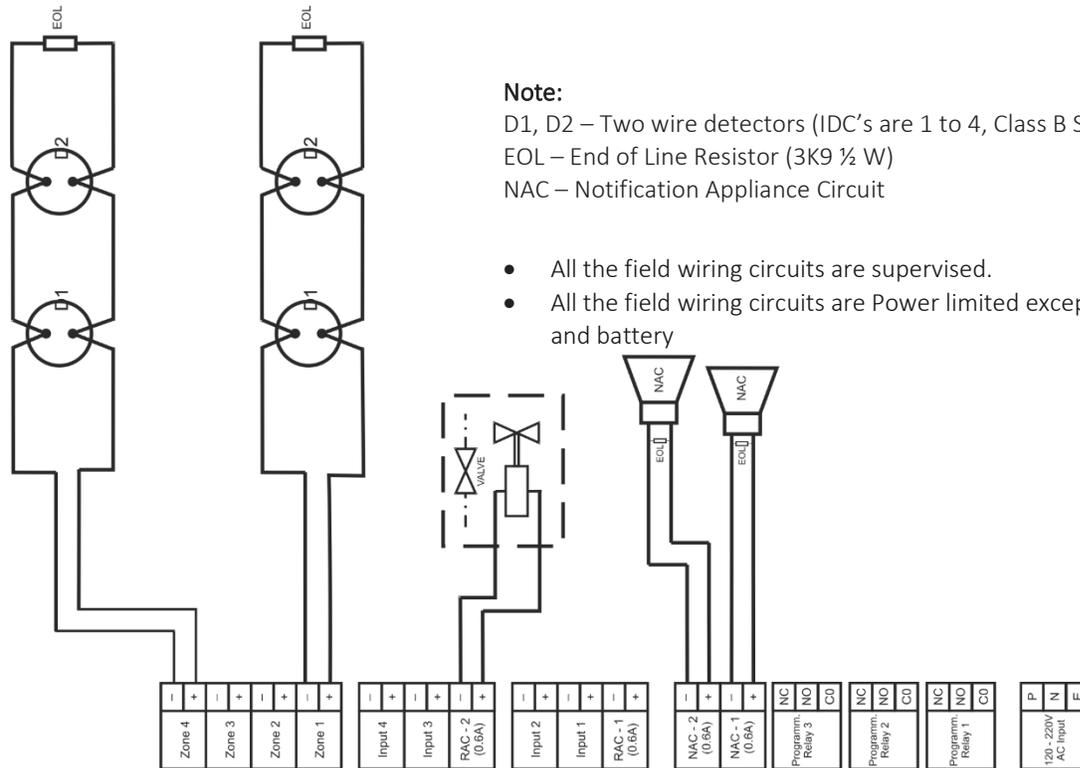
Electrical Specification		
<i>Primary Power</i>	120 - 220VAC -15% +10%, 60 / 50 Hz, 2.5Amps, 100W	
<i>Standby Power</i>	24VDC (2 No's of 12 V, 12Ah sealed lead acid battery).	
<i>Operating Condition</i>	Operating Temperature 0 – 49° C / 32 – 120° F. Relative Humidity 93 ± 2% RH (non-condensing) at 32 ± 2° C / 90 ± 3° F	
<i>Storage Temperature</i>	0 – 60° C	
<i>Quiescent Current</i>	120 mA.	
<i>Charging Circuit</i>	Charging voltage 28 V, ± 2% nominal Charging current 800mA (max)	
<i>Notification Appliance Circuits</i>	Quantity	2 No's
	Wiring style	Class B, Style Y
	Operating voltage	24VDC nominal
	Current	0.6A per circuit
	Line drop	1.8V
	EOL resistor	3K9, ½ watt
<i>Releasing Agent Circuits</i>	Quantity	2 No's
	Wiring style	Class B, Style Y
	Operating voltage	24VDC nominal
	Current	0.6A per circuit
	Line drop	1.8V
	EOL resistor	3K9, ½ watt
<i>DC Output</i>	Quantity	1 No
	Voltage	24VDC regulated
	Current	300mA (max)
<i>Relays</i>	Type	Form C
	Quantity	3 No's
	Relay contact rating	0.5A @ 125 VAC
	Power factor	1.0
<i>Initiating Device Circuits</i>	Wiring style	Class B, Style B/C
	Quantity	4 No
	Normal operating voltage	14 – 21 VDC
	Alarm current	15 – 30 mA
	Short circuit current	45 mA (max)
	Loop resistance	100 Ω (max)
	EOL Resistor	3K9, ½ watt
	Standby current	7 mA (2 mA for detectors)
<i>Programmable Input Circuit</i>	Quantity	4 No's
	Normal operating voltage	8 – 12 VDC
	Short circuit current	5 mA (max)
	Loop resistance	100 Ω (max)
	EOL Resistor	3K9, ½ watt
	Standby current	2.5 mA
	Manual release switch	3 (max)
Mechanical Specification		
<i>Dimensions</i>	(440W X 350H X 120D) mm	
<i>Color</i>	Red / White	
<i>Construction</i>	18 Gauge (1.22mm) CRCA sheet with powder-coated finish	
<i>IP Rating</i>	IP50	
<i>Cable Entry</i>	11xø19mm Knockout on top of the cabinet	
	10xø22.25mm Knockout on top of the cabinet	

Dimensions



Note:- All Dimensions are in MM

Wiring Configuration



Compatible Devices

Models	Description
<i>11591NC</i>	Solenoid Valve
<i>PA0337NC</i>	Solenoid Valve
<i>RE-3K9</i>	End of Line Resistor
<i>RE-316S-2L</i>	Conventional photoelectric smoke detector with base.
<i>RE-316H-2L</i>	Conventional Heat detector with base.
<i>RE-316SH-2L</i>	Conventional multi sensor detector with base
<i>RE-24CS</i>	Conventional sounder
<i>RE-716SO</i>	Sounder
<i>RE-716SS</i>	Sounder cum Strobe
<i>RE-716P1T</i>	Sinagle Action Manual Pull station
<i>RE-716P1TLP(G)</i>	Dual Action Manual Release Station
<i>RE-716P1TLP(Y)</i>	Dual Action Manual Abort Station
<i>RE-716P1TLP(R)</i>	Dual Action Manual Pull Station

Ordering Information

Models	Description
RE-25AR	Conventional 4 Zone Agent Release Panel

Note:

W - White colour

R – Red Colour

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USA

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RE-316S-2L

CONVENTIONAL PHOTOELECTRIC SMOKE DETECTOR

General

The RE 316S-2L conventional detectors are designed to work with all conventional Panels. These detectors are low profile and have dual LED's for 360° visual indication. The blinking LED's indicate normal operating conditions whereas the steady state indicate fire status. It has a unique protocol chamber designed to sense smoke produced by wide range of sources of combustion. It has a unique drift compensation feature wherein the detector adjusts its normal reference based on environment conditions.

Features

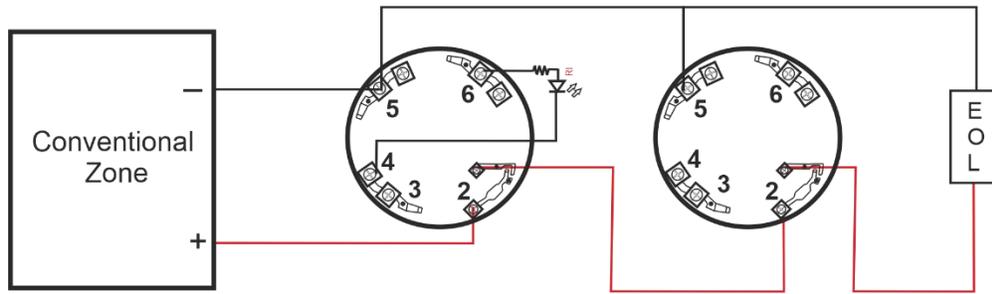
- UL listed.
- Dual LED's for 360° visibility.
- Advanced detection and communication protocol.
- Easy installation and maintenance.
- Sleek low-profile housing design.
- Regular 100mm base.



Specification

Electrical Specification	
<i>Operating Voltage</i>	9 ~ 33V DC.
<i>Reset Voltage</i>	Less than 1V.
<i>Standby Current</i>	50 μ A.
<i>Start up Time</i>	60s.
<i>Start up Current</i>	170 μ A.
<i>Alarm Current</i>	90 mA (max).
<i>Remote Output</i>	15mA maximum open collector.
<i>Smoke Sensitivity</i>	(1.96 \pm 0.76) % / ft
<i>Air Velocity</i>	0 - 4000 fpm.
<i>Operating Temperature</i>	-10° C to 37.8° C
<i>Storage Temperature</i>	-10° C to 60° C.
<i>Humidity</i>	0 - 95% RH, non-condensing.
<i>Cycle time</i>	5 Sec.
<i>Installation Space</i>	5 meters.
Mechanical Specification	
<i>Dimension</i>	46 H x 100 D (mm)
<i>Weight</i>	130 g with base
<i>IP Rating</i>	IP42

Wiring Diagram



Note:
RI-Response Indicator

Compatible Device

Model	Description
<i>RE-314B</i>	Normal Base

Ordering Information

Model	Description
RE-316S-2L	Conventional Photoelectric Smoke Detector with Base

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USA

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RE-316H-2L

CONVENTIONAL HEAT DETECTOR

General

The RE-316H-2L Conventional detectors are designed to work with all conventional Panels. These detectors are low profile and have dual LED's for 360° visual indication. The blinking LED's indicate normal operating conditions whereas the steady state indicate fire status.

RE-316H-2L is a fixed cum rate of rise heat detector using a thermistor. These detectors will raise an alarm when the detector reaches 59° C(Fixed) or when the change in temperature exceeds the rate of rise of 11°C/min.

Features

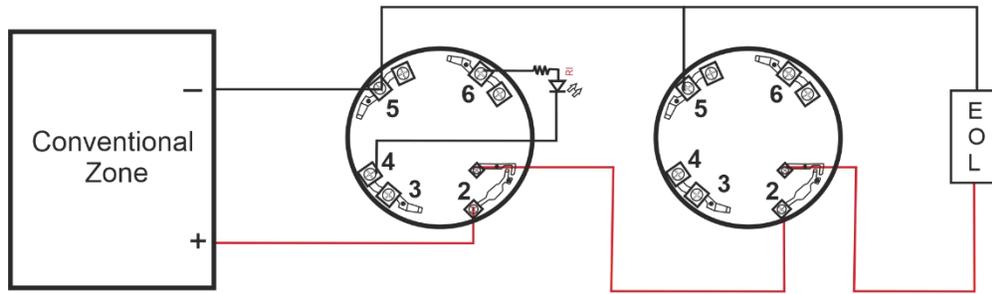
- UL listed.
- Dual LED's for 360° visibility.
- Polarity free wiring
- Advanced detection.
- Easy installation and maintenance.
- Sleek low-profile housing design.
- Regular 100mm base.



Specification

Electrical Specification	
<i>Operating Voltage</i>	9 ~ 33V DC.
<i>Reset Voltage</i>	Less than 1V.
<i>Standby Current</i>	50 μA.
<i>Start up Time</i>	60s.
<i>Start up Current</i>	170 μA.
<i>Alarm Current</i>	90 mA (max).
<i>Remote Output</i>	15mA maximum open collector.
<i>Thermal Rating</i>	59° C (138° F).
<i>Rate of Raise of Temperature</i>	11.1° C / min (20° F/min).
<i>Operating Temperature</i>	-10° C to 37.8° C
<i>Storage Temperature</i>	-10° C to 60° C.
<i>Humidity</i>	0 - 95% RH, non-condensing.
<i>Cycle time</i>	5 Sec.
<i>Installation Space</i>	5 meters.
Mechanical Specification	
<i>Dimension</i>	46 H x 100 D (mm)
<i>Weight</i>	130 g with base
<i>IP Rating</i>	IP42

Wiring Diagram



Note:
RI-Response Indicator

Compatible Device

Model	Description
RE-314B	Normal Base

Ordering Information

Model	Description
RE-316H-2L	Conventional Heat Detector

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USA

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RE-716P1TLP(G)

MANUAL PULL STATION- RELEASE

General

RE-716P Manual Pull Station is a high quality non-toxic die-cast manual pull station. Low profile design and smooth edges offer an attractive yet functional design. All components are prepainted or have plated surfaces to inhibit corrosion. Electrically the RE-716P Manual pull station is unbeatable with 10 Amp snap action switch offered in all possible contact arrangements (including gold contacts). The RE-716P pull station can be used with or without a break glass rod with replacement requiring no special tools.

Features

- Lift and pull.
- Break glass Rod.
- Weather and Explosion proof versions (Optional).
- All stations offer hex screw or key lock access.

Construction Material

- Painted Die Cast Housing.
- 14 Ga plated steel black plate.
- Corrosion inhibited surfaces.
- Terminal block (2 Position).
- Single Gang Mounting
- 10 A, 120VAC snap action switch (S.P.S.T.)



Specification

Electrical Specification	
Switch	SPST 10A@120VAC
Dimensions	
Station	Width : 3.200 in Length : 4.750 in Depth : 0.875 in
Weight	15.5 oz / 420 grams
Mount	Single gang

Compatible Panel

Model	Description
RE-120GR	Conventioanal Gas Release Panel
RE-25AR	Conventioanal Agent Release Panel

Ordering Information

Model	Color	Description
RE-716P1TLP(G)	Green	Manual Pull Station Dual Action

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RE-716P1TLP(Y)

MANUAL PULL STATION- ABORT

General

RE-716P Manual Pull Station is a high quality non-toxic die-cast manual pull station. Low profile design and smooth edges offer an attractive yet functional design. All components are prepainted or have plated surfaces to inhibit corrosion. Electrically the RE-716P Manual pull station is unbeatable with 10 Amp snap action switch offered in all possible contact arrangements (including gold contacts). The RE-716P pull station can be used with or without a break glass rod with replacement requiring no special tools.

Features

- Lift and pull.
- Break glass Rod.
- Weather and Explosion proof versions (Optional).
- All stations offer hex screw or key lock access.

Construction Material

- Painted Die Cast Housing.
- 14 Ga plated steel black plate.
- Corrosion inhibited surfaces.
- Terminal block (2 Position).
- Single Gang Mounting
- 10 A, 120VAC snap action switch (S.P.S.T.)



Specification

Electrical Specification

Switch SPST 10A@120VAC

Dimensions

Station Width : 3.200 in
Length : 4.750 in
Depth : 0.875 in

Weight 15.5 oz / 420 grams

Mount Single gang

Compatible Panel

Model	Description
RE-120GR	Conventioanal Gas Release Panel
RE-25AR	Conventioanal Agent Release Panel

Ordering Information

Model	Color	Description
RE-716P1TLP(Y)	Yellow	Manual Pull Station Dual Action

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RE-716SS

SOUNDER CUM STROBE

General

RE-716SS sounder cum strobe provides an efficient and cost-effective way to meet various international standards such as NFPA72 (2016 edition). Strobe light consists of Hybrid LED. It can be flush / ceiling mounted with / without back box.



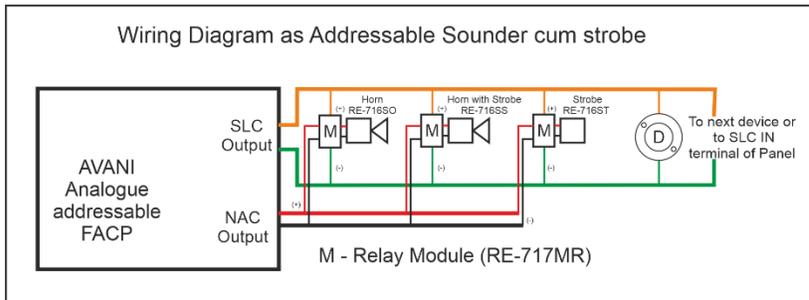
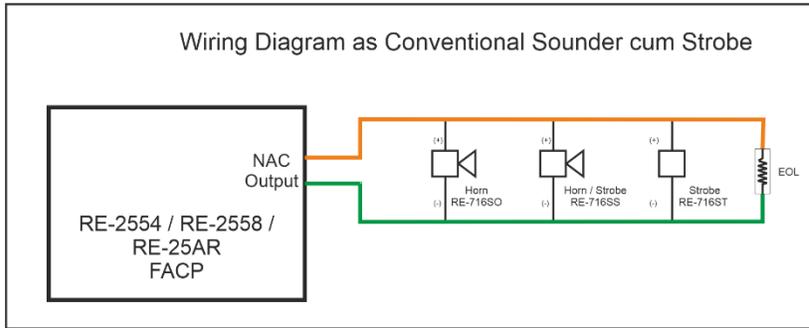
Features

- UL 1971,ULC-S525,UL 464,ULC-S526.
- Low Current Draw.
- Flexible optic design to meet the light dispersion.
- 4 candela settings:15/30/75/110cd output.
- 2 audible tone settings: Continuous/Temporal 3.
- Slim and Sleek.
- They are used in Fire, Burglar & Emergency Alarm System.

Specification

	Electrical Specification
<i>Light Source & Color</i>	High power cool white LED
<i>Pulse Duration</i>	20ms
<i>Max Current Draw(mA)</i>	67 – 93mA
<i>Flash Rate</i>	1 flash per second
<i>Operating Voltage</i>	24VDC(16-33VDC) / FWR
<i>Sounder Output</i>	75dB to 85 dB
<i>Mounting Options</i>	Standard 4" * 4" back box
<i>Dimension</i>	5.5"L *4.7"W *2.0"D(140mmL*120mmW*51mmD)
<i>Wiring</i>	2-Wire Type
<i>Screw Terminals</i>	#12 to #18 AWG wires

Wiring Details



Compatible Panel

Model	Description
AVANI	Analogue Addressable Fire Alarm Control Panel
RE-25AR	Agent Release Panel
RE-2558/2554	4 & 8 Zone Fire Alarm Control Panel

Ordering Information

Model	Description
RE-716SS	Sounder Cum Strobe

India

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RE-716SO

SOUNDER

General

RE-716SO sounder is designed to deliver cost-efficient and reliable safety solutions which meet various international standards to fulfil the industry's needs. The RE-716SO sounders can be flush / ceiling mounted with / without back box.

Features

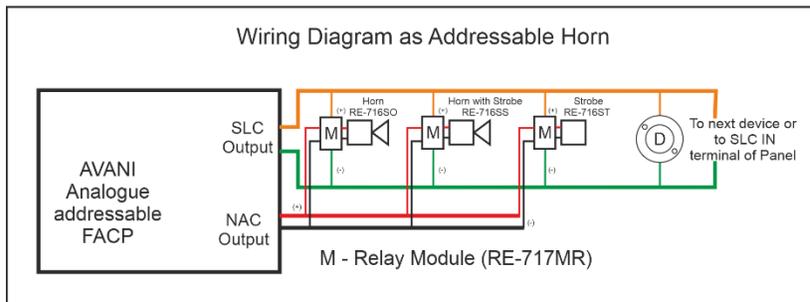
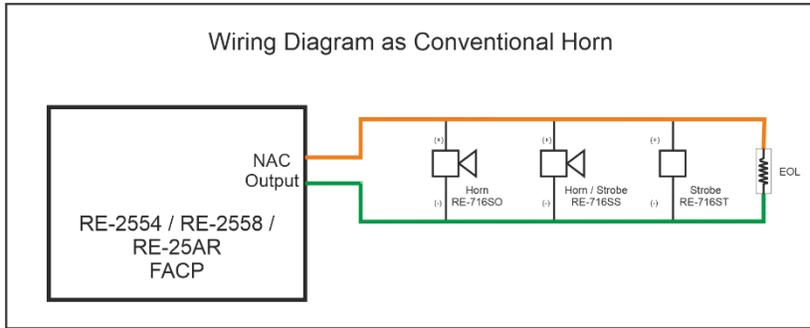
- UL 464,UL - S525.
- 2 Audible Tones Settings : Continuous and Temporal 3.
- 24VDC Operation.
- They are used in Fire, Burglar & Emergency Alarm System.



Specification

Electrical Specification	
<i>Max. Current Draw</i>	25mA
<i>Operating Voltage</i>	24V DC(16-33 VDC)/FWR
<i>Mounting Options</i>	Standard 4" *4" Back box
<i>Sounder Output</i>	75dB to 85dB
<i>Compliance</i>	UL 464,UL-S525
<i>IP Rating</i>	IP 40
<i>Wiring</i>	2 Wire Type
<i>Screw Terminals</i>	#12 to #18 AWG Wires
Mechanical Specification	
<i>Length</i>	140mm
<i>Width</i>	120mm
<i>Depth</i>	51mm

Wiring Details



Compatible Panel

Model	Description
AVANI	Analogue Addressable FACP upto 4 loop
Avanidb	Analogue Addressable FACP upto 2 loop
AvaniXI	Analogue Addressable FACP upto 8 loop
RE-25AR	Agent Release Panel
RE-2558/2554	4 & 8 Zone Fire Alarm Control Panel

Ordering Information

Model	Description
RE-716SO	Sounder

India

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TECHNICAL MATERIAL SUBMITTAL

ADDRESSABLE FIRE ALARM SYSTEM

BRAND : RAVEL
UL-LISTED

