

# RE - 120GR Agent Release Panel



## **Features:**

- Rugged CRCA sheet with powder coated finish.
- Operates on 220V, A.C supply
- Battery backup with built in charging.
- 16 X 2 LCD Dot Matrix Display.
- Evacuate and Key pad Enable, Disable Facility.
- Low battery visual warning with audible tone.
- Relay output for actuators.
- Remote fire indication with Audible Tone.
- Compatible to all types of conventional detectors.
- Zone Disable (Isolation) facility with loop voltage cut off.
- Resettable 24v DC output for 4 wire detectors (Optional).
- Three 24V Hooter Output (Fire, after Cross zone, after gas release).
- Two mode operation facility (Auto / Manual).
- Programmable FAP input selection Facility.
- Programmable Solenoid Output with On and OFF Timer.
- Main / Standby Cylinder output Facility (Optional).
- Programmable Standby output.
- Gas Inhibition and Instant release facility.
- Manual Gas Release with or without timer.
- Actuator pressure low sensing facility.
- Pressure switch facility.

## **Electrical Specification:**

### **Power**

220-240 VAC, 50 Hz.  
Wire size: 1.5 Sq. mm with 600V insulation

### **Battery (Lead Acid only)**

Charging Voltage: 27.9 VDC.  
Charging Current: 1.2Amps (Max)  
System Quiescent Current: 80mA + (2.4mA for Detectors)

### **Initiating Device Circuits (Zone Circuit)**

All zones are Class B wiring  
Normal Operating Voltage: Nominal 24 VDC  
Alarm Current: 15 35mA threshold  
Short Circuit Current: 40mA Maximum  
Loop resistance: 50 ohms Maximum  
End-Of-Line Resistor: 4.7K, 1/4watt  
Standby Current: 6.8mA (2.4mA for Detectors)

### **Notification Appliance Circuits (Sounder/Hooter Circuit)**

Operating Nominal Voltage: 24 VDC  
Hooter (NACs) output: 0.5A (Each)  
End-Of-Line Resistor: 4.7K, 1/4watt

### **Solenoid Relay Output Circuits**

Operating Nominal Voltage: 24 VDC  
Solenoid output: 0.75A (Each)  
2No's of Hooter (NACs) output: 0.3A (Each)  
End-Of-Line Resistor: 4.7K, 1/4watt (for Solenoid Output)

### **Remote Outputs**

Fire Contact (C, NO, NC): 220v AC/30v DC@ 1A  
Fault Contact (C, NO, NC): 220v AC/30v DC@ 1A  
Timer Contact (C, NO, NC): 220v AC/30v DC@ 1A

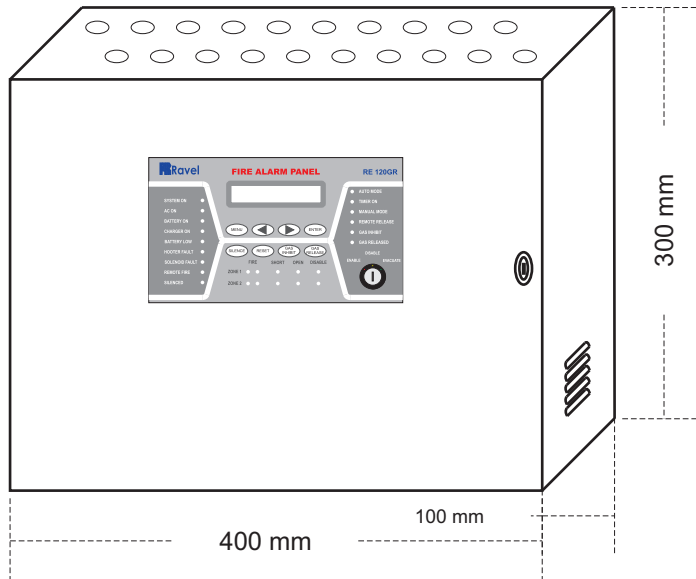
### **24 VDC Power For remote devices (Optional)**

Operating Voltage: 24VDC, 500mA Max.

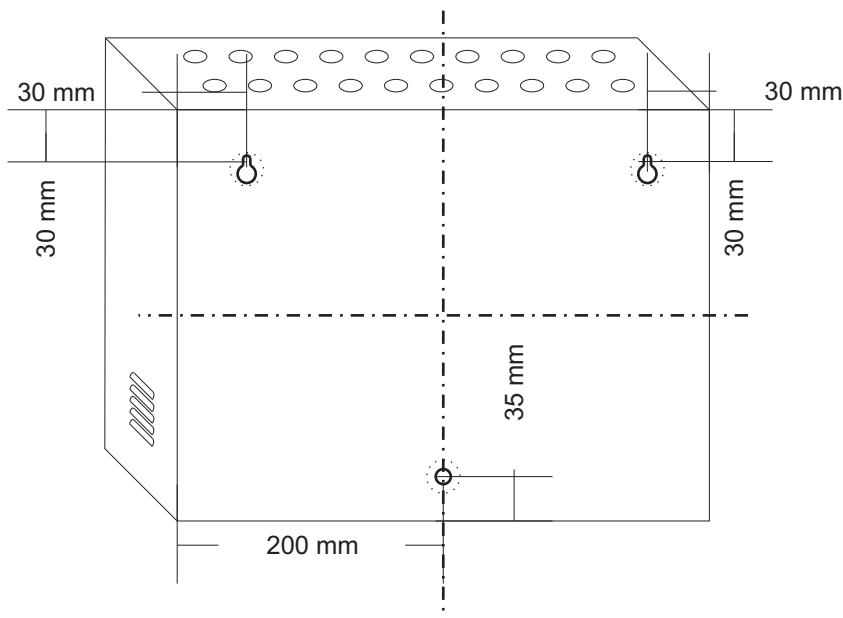
### **RS 24 VDC Power For Four Wire devices (Optional)**

Operating Voltage: 24VDC, 500mA Max.

## G.A.Diagram:



## Mounting Detail:



## Terminal Details:

RS 485 Output	24 VDC Output (300mA)	STD BY Pressure Switch	STD BY ACT. PR. Low	STD BY Cylinder 24V O/P	Main Cylinder 24V O/P	Main Pressure Switch	Main ACT. Pressure Low	24VDC Sounder 3	Manual Inhibit	Manual Release	Timer Relay	24VDC Sounder 2	Remote Input	24VDC Reset Output	Zone 2	Zone 1	24VDC Sounder 1	Fault Relay	Fire Relay 2	Fire Relay 1	220 V AC I/P	
A	B	-	+	-	+	-	+	-	+	-	NC NO C	-	+	-	+	-	+	-	+	NC NO C	NC NO C	P N E

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