

Fire Protection Panel

# DV Panel Standard

(Standard Deluge Value Panel)

Model: DVP-01P1



ANISO9001: 2008COMPANY-



## OPERATIONAL FEATURES

This DV panel will be the electrical interface between the DV and the Site Fire alarm system. The Panel shall monitor itself and all connected input circuits including the supply for fault and shall signal the FAS system accordingly.

In case the Deluge valve Opens (Automatically or Manually) this will cause the pressure switch mounted on the outlet to sense the change in pressure and change state. This in turn will switch on the DV Open indication. Along with this the panel will switch on its external alarm signal to annunciate the alarm condition on the main FAP or repeater panel.

## MANUAL OPERATION

A push button on the DV panel will enable the operator to open the DV Manually. When this button is operated the "Manual" indication will come on and the Solenoid mounted on the DV will be switched on. The Audio Visual alarm will also sound.

## REMOTE OPERATION

As above in case the DV need's to be opened remotely, A push button or relay contact can be used to signal the "MAIN FAP" indication along with this the Solenoid mounted on the DV will be switched on. The Audio Visual alarm will also sound.

## SILENCE

The Audio Alarm can be silenced by operating the silence Button on the DV Panel. When the Air Pressure is restored and the DV closes the Panel will automatically revert to its standby state.

Fault Monitoring: All Wires connected to inputs shall be monitored for Cable open, Short and earth fault. The Battery shall be monitored for Low or disconnected status if installed. In case of complete failure also the NC Fault contact shall change to NO to indicate to the Main FAP or repeater panel a fault.



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### ELECTRICALSPECIFICATIONS

**Main PSU. :** 240 V. AC., 50/60 Hz. Optional (110v AC/DC.

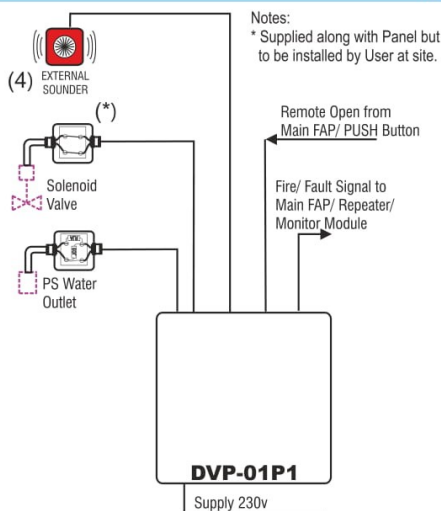
**Panel supply :** 24V@2 Amps..

**Circuit Protection :** Main Supply 1 Amp Slow blow fuse.

**Battery :** 2 Amp Fast action fuse

**Mechanical :** Cabinet: 400 x 400 x 120 - weather proof with canopy.

INSTRUMENT	LOCATION	SIGNAL	FUNCTION
Pressure Switch For: DVP-01P2 and P2F models.	Air Line	Potential Free Contact. NO	Indication "LOW AIR " with Local Alarm, & ext Fault sig.
Pressure Switch	DV Out Line	Potential Free Contact. NO	Indication "DV OPEN" with Local Alarm, & ext Alarm sig.
Manual Push Button.	Panel.	Potential Free Contact. NO	Indication "MANUAL" with power to solenoid & ext Alarm sig.
Main FAP	Main FAP or Remote Button	Potential Free Contact NO	Indication "MAIN FAP" with power to solenoid & ext Alarm sig.
Solenoid Valve	ON Trim	24v or 110v DC or 220/110v AC	Will Operate for Manual Push Button or Main FAP Signal. Note 24v DC is Available within the Panel. Other Voltages to be provided for by installer.
Fault Relay	Panel.	Potential Free Contact NC	Form C contact for external Monitoring at Main FAP or Repeater Panel.
Alarm Relay	Panel.	Potential Free Contact NO	Form C contact for external Monitoring at Main FAP or Repeater Panel.



#### Optional:

1. Isolated relay for Switching Solenoids of 110v & 220v AC/ DC.
2. Intrinsically Safe Input Isolator for 8v Prox sensors.
3. Batteries 4.5 AH max 8 Hrs Backup. Space available in Panel.
4. External Sounder

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