

Features

- Master Mic Control
- 16 Switch Control Points
- Dual Channel DMR and Audio Interface
- High Speed Communication Loop
- 25/50/100 Dual or Single Watt Amplifier (200W Single Channel optional), Dual/Single Amplification
- Configuration for 4 or 8 Output Zones
- 120 VAC Power Supply and Battery Charger
- Live Microphone Override of Message and Tone
- Compatible High Reliability, No Maintenance, Fully Supervised
- Easy Installation and Operation
- Studio Quality Voice Recordings Built in Alarm and Alert Signals



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Description

The PVC MP and DP panels operate with any Fire Alarm Control Panel (FACP) and provide 25, 50 or 100 Watts of speaker power. The panel has its own power supply and battery charger. The panel must be wired with 120 or 240 VAC and standby batteries connected. The PVC panel is housed in a surface or semi-flush mounted backbox with a hinged and key locked door.

The PVC-MP Master Panel (PVC-MP) utilizes a Master Mic control with 16 switch control points along with a dual channel DMR and a high speed communication loop. Maximum system configuration allows up to 1,000 switch/input points, and an integrated fire phone is available as an option.

The PVC-DP Distributed Panel has 4 output zones available and can be configured for 8. The panel has dual channel audio interface and dual (25/50/100W available) or single (25/50/100/200W available) channel amplification options. An integrated Fire Phone is optional, as well as 4 circuits expandable to 8, 12 or 16. with a maximum system configuration of up to 256 PVC-DP panels.

Technical Specifications

Dimensions	14.5" x 27" x 4" (W x H x D)
Primary Power	120 VAC
Battery Power	24 VDC
Electrical Ratings	All circuits @ 24VDC
Voltage	5V peak to peak max
Frequency	1.024MHz
Current	50mA max.
Impedance	120 Ohms (max between panels)
Battery Charging	EVX-25/50: 800mA, maximum battery size 17Ah EVX-100: 1A, maximum battery size 24Ah
Communications Bus	RS-485 standard, 1M Baud data rate, low capacitance cable
Color	Red

PVC-MP Master Panel Configurations

PVC-MP16 Master Panel, 16 Switch Control
 PVC-MP32 Master Panel, 32 Switch Control
 PVC-MP48 Master Panel, 48 Switch Control
 PVC-MP64 Master Panel, 64 Switch Control
 PVC-MP80 Master Panel, 80 Switch Control
 PVC-MP96 Master Panel, 96 Switch Control

PVC-MP16/P Master Panel, 16 Switch Control,
 Master Fire Phone
 PVC-MP32/P Master Panel, 32 Switch Control
 Master Fire Phone
 PVC-MP64/P Master Panel, 64 Switch Control
 Master Fire Phone
 PVC-MP80/P Master Panel, 80 Switch Control
 Master Fire Phone
 PVC-MP96/P Master Panel, 96 Switch Control
 Master Fire Phone

Panel Options

Cards may be added as job requirements demand.

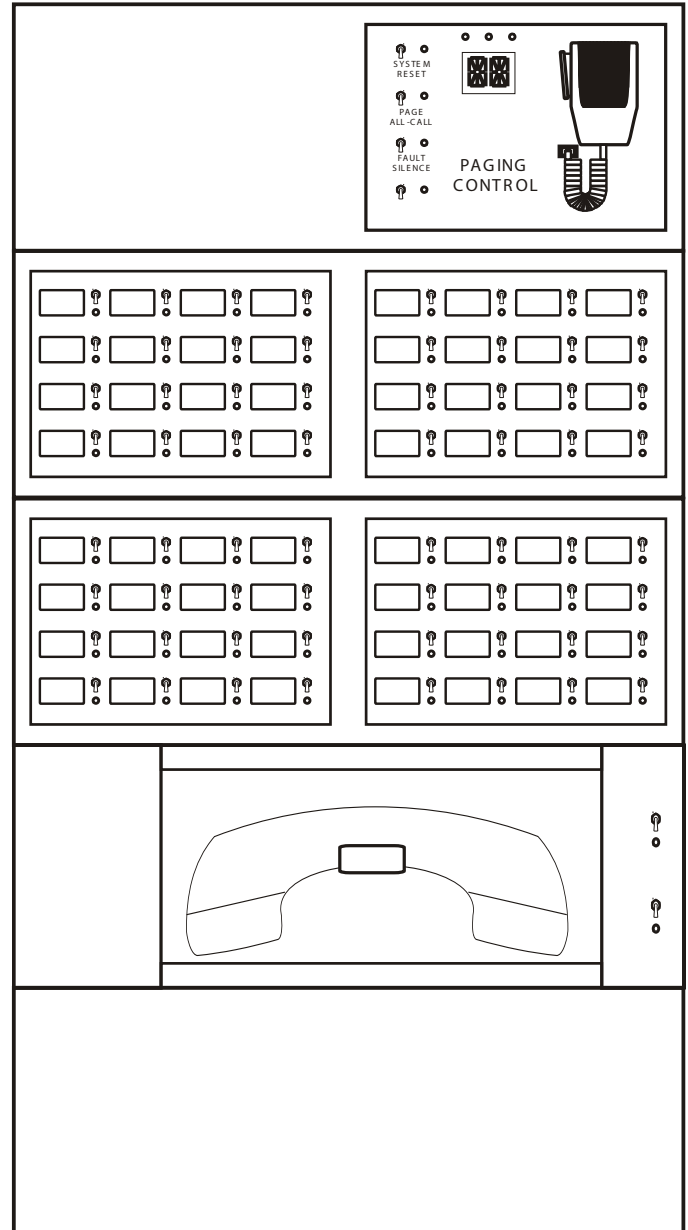
PVC-MFP Master Fire Phone
 Enables system to incorporate 2 way communication. Included with /P panels.

PVC-SSC Switch Scan Card
 Included in basic panels, up to 7 additional cards may be added.

PVC-SLC Switch LED Card
 16 Switch LED Bank, up to 8 per PVC-SSC.

PVC-II Audio Module Interface Card
 One included with basic panel, additional cards give 16 control inputs each. Maximum of 8.

PVC-MP Master Panel Current for Components		
Component	Standby	Alarm
DCC	83 mA	83 mA
ASC	23 mA	33 mA
MFP	9 mA	9 mA
SSC	28 mA	28 mA
SLC	0.2 mA	16 mA
MMC	46 mA	46 mA
IOI	18 mA	19 mA



PVC-DP Distributed Panel Configurations

- PVC-DPS25 Distributed Panel, Single Channel, 25W
- PVC-DPS50 Distributed Panel, Single Channel, 50W
- PVC-DPS100 Distributed Panel, Single Channel, 100W

- PVC-DPS25/P Distributed Panel, Single Channel, 25W, Fire Phone
- PVC-DPS50/P Distributed Panel, Single Channel, 50W, Fire Phone
- PVC-DPS100/P Distributed Panel, Single Channel, 100W, Fire Phone

- PVC-DP25 Distributed Panel, Dual Channel, 25W
- PVC-DP50 Distributed Panel, Dual Channel, 50W
- PVC-DP100 Distributed Panel, Dual Channel, 100W, Single Channel 200W

- PVC-DP25/P Distributed Panel, Dual Channel, 25W, Fire Phone
- PVC-DP50/P Distributed Panel, Dual Channel, 50W, Fire Phone
- PVC-DP100/P Distributed Panel, Dual Channel, 100W, Fire Phone, Single Channel 200W

Panel Options

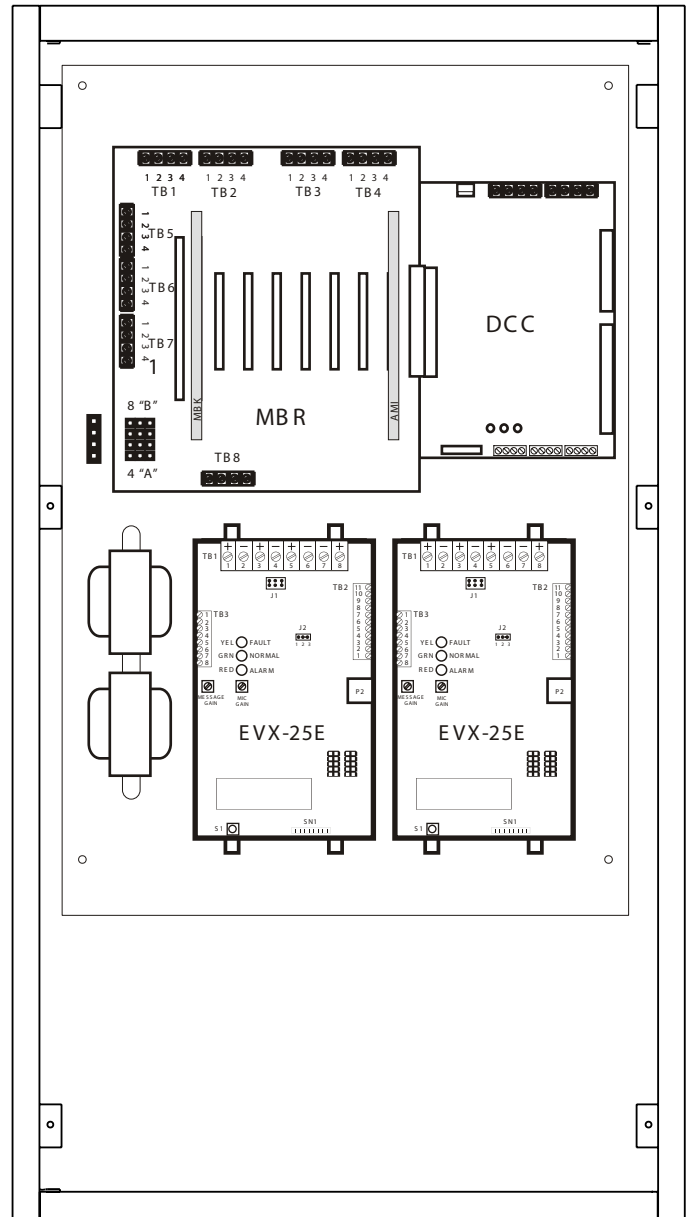
Cards may be added as job requirements demand.

- PVC-MBK Motherboard Relay card
Expands MBR output to 8 Class B or 4 Class A circuits.

- PVC-FPI Fire Phone Interface Card
Included in /P panels, up to 3 additional cards may be added.

- PVC-FPO Fire Phone Output Card
Used with additional PVC-FPIs for termination.

- PVC-II Audio Module Interface Card
Included with basic panel, additional cards give the ability to control multiple modules.



PVC-DP Distributed Panel Current for Components		
Component	Standby	Alarm
DCC	82 mA	84 mA
MBR	31 mA	31 mA
AMI	22 mA	22 mA
FPI	41 mA	41 mA
MBK	3 mA	31 mA

Ordering Information PVC-MP

Description	Stock No.
Master Panel, 16 Switch Control	PVC-MP16
Master Panel, 32 Switch Control	PVC-MP32
Master Panel, 48 Switch Control	PVC-MP48
Master Panel, 64 Switch Control	PVC-MP64
Master Panel, 80 Switch Control	PVC-MP80
Master Panel, 96 Switch Control	PVC-MP96
Master Panel, 16 Switch Control, Master Fire Phone	PVC-MP16/P
Master Panel, 16 Switch Control, Master Fire Phone	PVC-MP32/P
Master Panel, 16 Switch Control, Master Fire Phone	PVC-MP64/P
Master Panel, 16 Switch Control, Master Fire Phone	PVC-MP80/P
Master Panel, 16 Switch Control, Master Fire Phone	PVC-MP96/P

Ordering Information PVC Panel Options

Description	Stock No.
Master Fire Phone	PVC-MFP
Switch Scan Card	PVC-SSC
Switch LED Card	PVC-SLC
Audio Module Interface Card	PVC-II
Motherboard Relay Card	PVC-MBK
Fire Phone Interface Card	PVC-FPI
Fire Phone Output Card	PVC-FPO
Audio Module Interface Card	PVC-AMI

Ordering Information PVC-DP

Description	Stock No.
Distributed Panel, Single Channel, 25W	PVC-DPS25
Distributed Panel, Single Channel, 50W	PVC-DPS50
Distributed Panel, Single Channel, 100W	PVC-DPS100
Distributed Panel, Single Channel, 25W, Fire Phone	PVC-DPS25/P
Distributed Panel, Single Channel, 50W, Fire Phone	PVC-DPS50/P
Distributed Panel, Single Channel, 100W, Fire Phone	PVC-DPS100/P
Distributed Panel, Dual Channel, 25W	PVC-DP25
Distributed Panel, Dual Channel, 50W	PVC-DP50
Distributed Panel, Dual Channel, 100W, Single Channel 200W	PVC-DP100
Distributed Panel, Dual Channel, 25W, Fire Phone	PVC-DP25/P
Distributed Panel, Dual Channel, 50W, Fire Phone	PVC-DP50/P
Distributed Panel, Dual Channel, 100W, Fire Phone, Single Channel 200W	PVC-DP100/P