

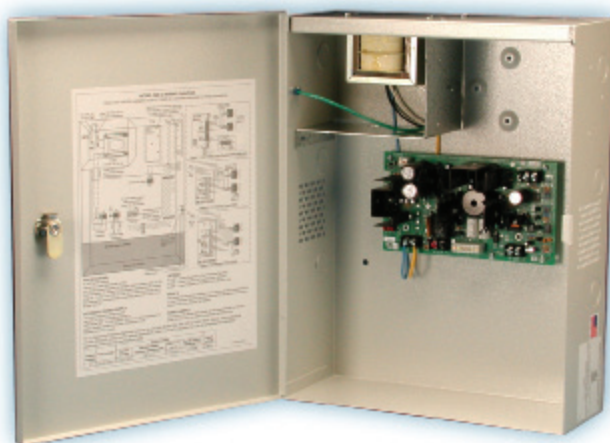
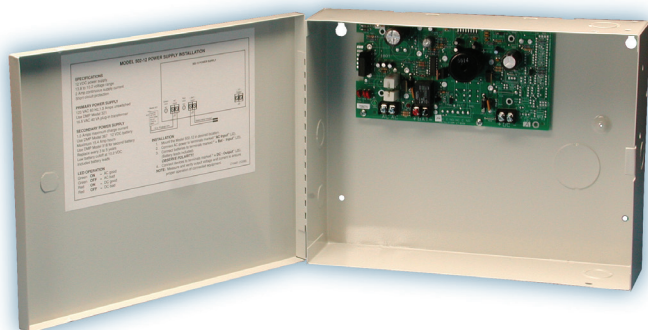


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## 12 Volt Power Supplies —

## Reliable Voltage for any Application



DMP power supplies are a reliable and versatile choice.

- Effective, cost-efficient DC power supplies
- Suitable for fire, access control, and burglary system applications
- Perfect for any 12 VDC application

Primary applications include notification appliance circuit (NAC) expansion and auxiliary power to support burglary and access control accessories.

## 505 SERIES POWER SUPPLIES

### FEATURES

- Regulated and filtered power system
- Power-indicating LEDs
- Built-in overload protection
- Battery backup/charging circuit
- 5 Amp output
- 12 VDC power supplies
- Battery cutoff to prevent deep discharge of batteries

- Rugged cold-rolled steel enclosure
- Lock-and-key mechanism for security
- Optional tamper switch

### 505-12LX ADDITIONAL FEATURES

- Connects to the LX-Bus of the XR100 and XR500 Series
- Provides 2 independent Class B NAC outputs



Digital Monitoring Products

# Power Supplies

## VISUAL INDICATORS

Each power supply provides a green AC power LED and a red DC LED for a visual indication of the power supply input and output voltage status.

Charging circuit for a battery backup included with each power supply.

## TRANSIENT PROTECTION

AC input and DC output circuits include metal oxide varistors (MOVs) for transient protection.

## MONITOR AC INPUT

The power supplies monitor the AC input voltage for power failure or 'brownout' conditions. During AC power failure, current is supplied by the backup battery until AC power is restored.

## BATTERY CUTOFF RELAY

The battery cutoff relay is included to prevent deep-discharge of the battery which helps reduce the risk of damage to the battery or to the power supply itself.

## ENCLOSURE FEATURES

The power supplies are mounted and stabilized in rugged enclosures for protection from the elements. Each enclosure includes a lock and key and provides space to include a backup battery. Optional tamper switches may be mounted in the enclosures to monitor door tampering.

## SPECIFICATIONS

Voltage/Current Input 120 VAC @ 1.5 Amps  
Voltage/Current Output 12 VDC @ 5 Amps max.

Secondary (Battery) Power  
Charge Current 1.5 Amps max.  
Current Draw 200mA

Only use sealed lead-acid rechargeable batteries.

## 505 SERIES

The 505 Series power supplies are power limited, switching power supplies that meet UL, CSFM, NFPA, and FCC standards.

The 505-12 provides 5 Amps of continuous power.

## 505-12A AND 505-12L

The 505-12A is mounted in a gray 350A Grade A, attack-resistant enclosure with lock and key and a tamper switch.

The 505-12L is mounted in a red or gray 350 enclosure with lock and key.

## 505-12LX

The 505-12LX power supplies include all of the features of the 505-12. The LX version includes two independent Class B NAC outputs. Using an 867 Notification Module provides an on-board Power Supply Monitor LED to indicate any loss of power from the auxiliary power supply. All trouble indications are communicated to the FACP via the 4-wire LX-Bus™ digital loop.

## DIGITAL LX-BUS™ FEATURES

The 505-12LX power supplies connect to the FACP via a 4-wire LX-Bus™ (SLC) loop. This connection supervises communication between the panel and the NAC modules.

Trouble conditions on the NAC circuit (Ground Fault, Open, Short, power supply AC or Battery trouble) or loss of communication between the NAC module and the FACP, cause the specific trouble condition to be indicated at the system keypads and reported to the Central Station.

## NAC MODULE FEATURES

- Provides steady, pulsed, Temporal Code 3, and California Schools Code bell outputs.
- Supervised silence switch disables the bell output during service or maintenance.
- On-board status LED indicates good communication with the control panel.
- Rotary switches provide easy addressing.

## ACCESSORIES

- 867 Notification Module
- 307 Clip-on Tamper Switch
- 307-S Screw-on Tamper Switch
- 3012 Clip-on Tamper Switch
- Sealed lead-acid rechargeable batteries

## PANEL COMPATIBILITY

DMP Power Supplies are compatible with all DMP panels.

## LISTINGS AND APPROVALS

California State Fire Marshal (CSFM)  
FCC Part 15

Underwriters Laboratories (UL) Listed

- UL 294 Access Control System Units
- UL 603 Power Supplies for Use with Burglar Alarm Systems
- UL 1481 Power Supplies for Fire Protective Signaling Systems

For additional information, access [www.dmp.com](http://www.dmp.com) and select Compliance.

