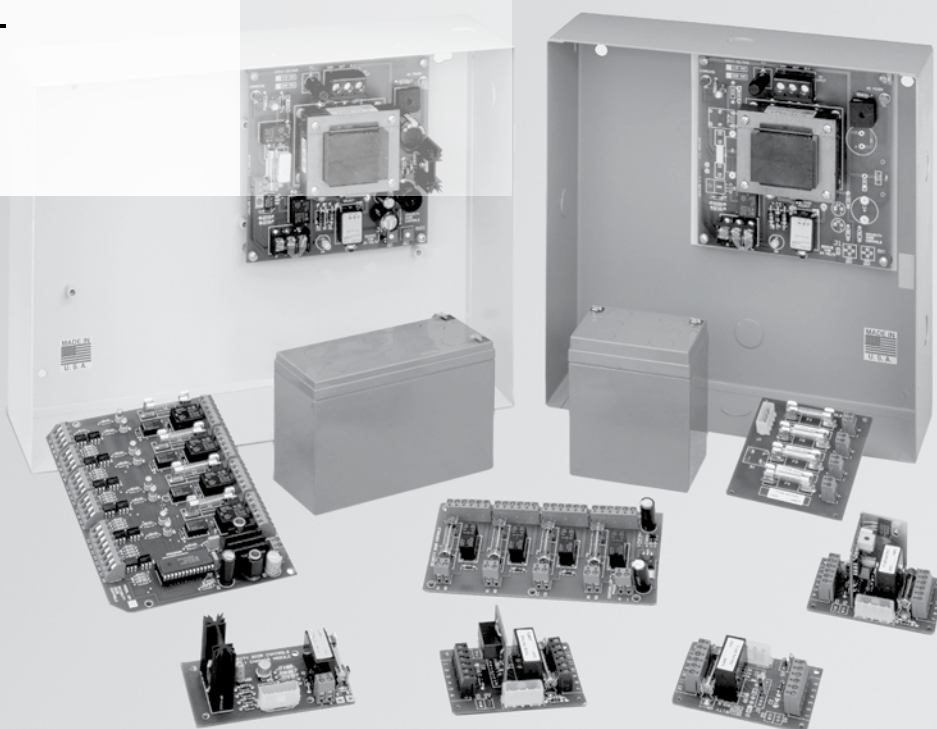


PS



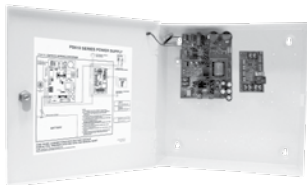
General Purpose Power Supplies

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GENERAL PURPOSE POWER SUPPLIES—OVERVIEW

Model	VAC	Output @ 24 V	Output @ 12 V
PS610RF	110	1.0 A	1.5 A
PS615RF	110	1.5 A	3.0 A
PS532RF	110	2.0 A	2.0 A
PS534RF	110	4.0 A	4.0 A
PS536RF	110	6.0 A	6.0 A
PS502RF-220	220	1.0 A	1.0 A



PS610RF



PS534RF



PS502RF-220

PS6 SERIES

DORMA's PS6 Series Power Supplies are designed to support even the most challenging electronic access control applications.

Having a host of built-in features, PS Series power supplies are designed with reliability in mind and incorporate life safety options required by the National Building Code, such as fire panel interface, instant unlock when power is cut, and remote override reset capabilities for authorized personnel.

These power supplies are intended specifically for safe and reliable use with magnetic locks, electric strikes, keypads, card readers and other sensitive electronic access control system accessories.

The PS6 Series is listed with Class 2 outputs, which will

accommodate wire runs without the need for conduit. Standard features include field selectable output voltage, fire panel interface, battery back-up readiness, power surge protection for AC input, and fused protection for DC output.

Features

- Field selectable voltage 12/24VDC.
- Fire panel interface standard on all models.
- Battery back-up ready — no additional up-grade boards required (batteries sold separately).
- UL 294 listed.
- External power indicator LED.
- Surge protected input.



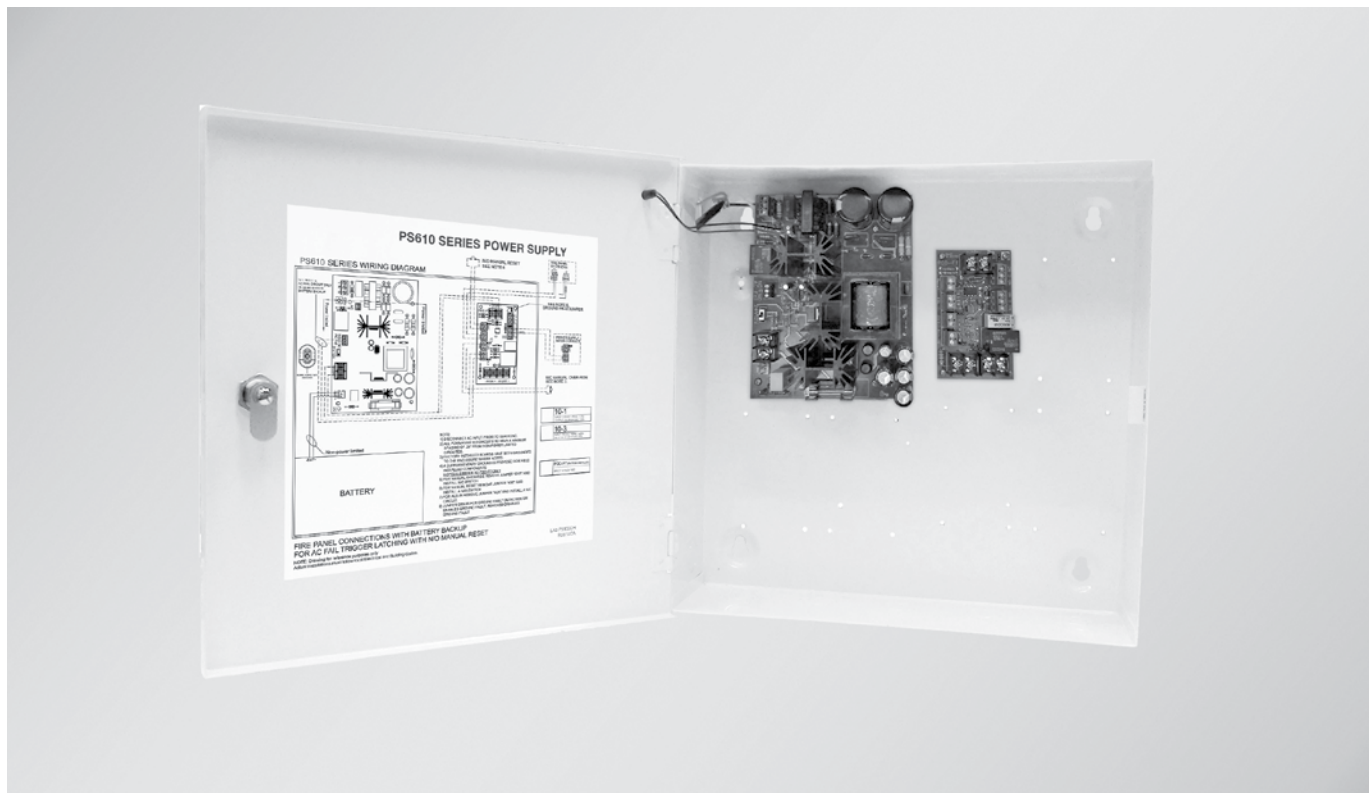
- Filtered and regulated output.
- Monitors AC failure using an on-board Form C relay to signal a remote monitoring system.
- NEMA Enclosure, Grade 1, with hinged cover.
- Knockouts for 1/2" or 3/4" conduit connections.
- Optional Power Distribution Boards

Recommended Applications

- Access control systems
- Keypads/Readers
- Solenoid powered locking devices
- Electric Strikes
- Magnetic Locks

Warranty

For details, refer to **DORMA Limited Warranty** on our website at go.dorma.com/terms.



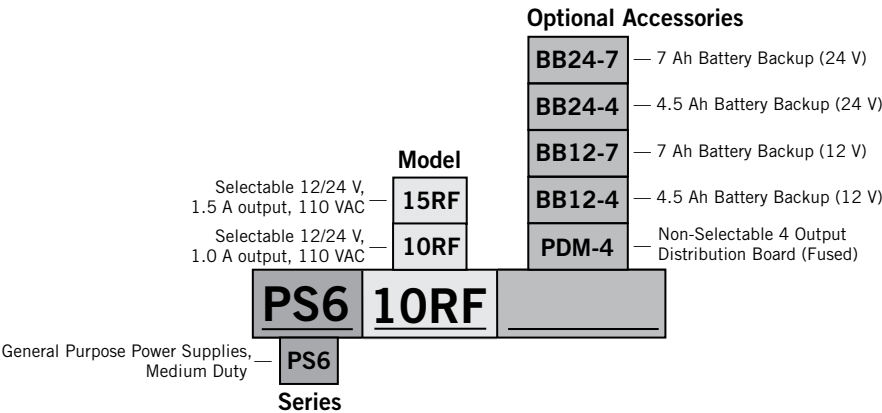
AVAILABLE MODELS

PS6 Series

Model	VAC	Output @ 24 V	Output @ 12 V
PS610RF	110	1.0 A	1.5 A
PS615RF	110	1.5 A	3.0 A

HOW TO ORDER

PS6 Series



OPTIONAL ACCESSORIES

PS6 Series

A black printed circuit board (PCB) with four output terminals at the bottom, each with a fuse holder and an LED indicator. A caution label is visible at the top.

PDM4

PDM-4 Non-Selectable 4 Output Distribution Board (Fused)

Distributes a single low voltage DC source into 4 outputs. When installed into a power supply, servicing time can be greatly reduced by the output indicator LEDs. If an output fuse is blown or PTC is tripped, the accompanying LED will be off. Simply identifying the device connected to this output will allow for a problem to be quickly corrected. In addition to short circuit protection, the input terminals also have a surge protector that can absorb a 1500 Watt spike or surge to protect connected devices.

PS5 SERIES

DORMA's PS5 Series power supplies offer field selectable output voltage and are available with door control modules and battery backup to fit your application needs.

The PS5 Series power supplies feature high performance, heavy-duty circuitry for inductive loads and multidoor applications.

The modular design is built around several different application control modules to meet your needs for many electric locking systems.

Documentation is provided to ensure easy installation for individual or multidoor systems that may include locking devices, access controls, station controls, and fire/life safety system interfaces.

Features

- Field selectable voltage 12/24 VDC.
- Fire panel interface optional on all models.
- Battery back-up ready — no additional up-grade boards

required (batteries sold separately).

- UL listed.
- Surge protected input.
- Filtered and regulated output.
- Class 2 outputs, where permitted by code; Conduit is not required when using class 2 outputs.



Recommended Applications

- Higher powered supplies for multiple door applications
- Access control systems
- Keypads/Readers
- Solenoid powered locking devices
- Electric strikes
- Magnetic locks

Warranty

For details, refer to **DORMA Limited Warranty** on our website at go.dorma.com/terms.

AVAILABLE MODELS

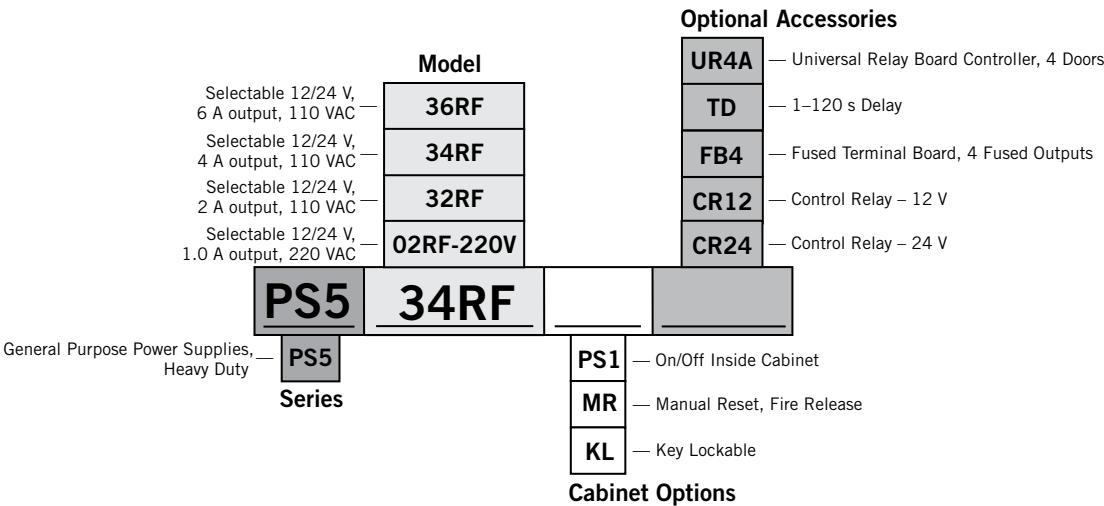
PS5 Series

Model	VAC	Output @ 24 V	Output @ 12 V
PS532RF	110	2.0 A	2.0 A
PS534RF	110	4.0 A	4.0 A
PS536RF	110	6.0 A	6.0 A



HOW TO ORDER

PS5 Series

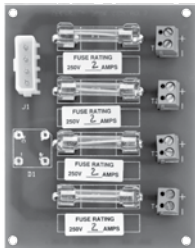


OPTIONAL ACCESSORIES

PS5 Series

FB-4 Fused Terminal Board

The optional FB-4 provides four (4) individually fused outputs for modular system protection. The fuse rating for each output is determined by the load current of each output. The total current of all outputs cannot exceed the power supply rating.



FB-4

CR Four Station Control Relay Module

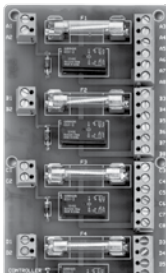
The optional CR4 module provides control of four (4) stations. Closing a switch across the dry trigger input for station A, B, C, or D will release the output for the amount of time that the trigger input is held closed. Can be used to indicate status or implement multiple door interlocks. The total current of all outputs cannot exceed the power supply rating.

- **Input Voltage:** 12 or 24 VDC.
- **Input Current:** 120 mA.
- **Trigger Inputs:** Four N.O. Dry.
- **Fused Relay Outputs:** Four, Fused SPDT Dry, 2 A @ 30 VDC.
- **Non-fused Relay Outputs:** Four, Non-fused, SPDT, Dry, 2 A @ 30 VDC.
- **Dimensions:** 6" W x 3.25".

TD Time Delay Relay Module

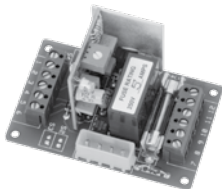
When triggered, the optional TD module will unlock a door for a field adjustable time of 1 to 120 seconds. A reset trigger from a door position switch can be used to terminate the time delay and relock the door.

- **Input Voltage:** 12 or 24 VDC.
- **Input Current:** 35 mA.
- **Dry Trigger Inputs:** One—N.O. Dry, One—N.C. Dry.



CR

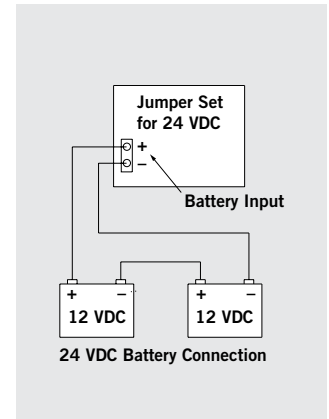
- **Wet Trigger Input:** Normally off; Trigger voltage must be the same as the lock and supply voltage.
- **Anti-Tailgate/Reset Input:** N.O. Dry; When the door opens the magnetic contact closes, resetting the timer. The door locks when closed.
- **Voltage Output:** Fused SPDT, 5 A @ 30 VDC.
- **Relay Output:** Non-fused SPDT Dry, 5 A @ 30 VDC.
- **Dimensions:** 3.25" W x 2" H.



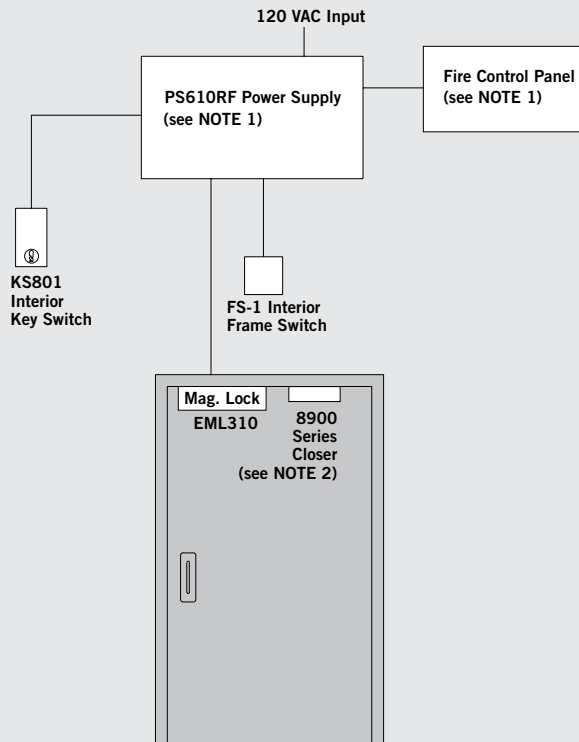
TD

MINIMUM WIRE GAUGE CHART (AWG) FOR 24 V AC/DC

Distance in feet for 2 conductors from power source to locking device								
AMPS	25	50	75	100	150	200	250	300
.25	18	18	18	18	18	18	18	18
.50	18	18	18	18	18	18	18	16
.75	18	18	18	18	18	16	16	14
1.00	18	18	18	18	16	16	14	14
1.50	18	18	18	16	16	14		
2.00	18	18	16	16	14			
2.50	18	18	16	14				
3.00	18	16	14	14				



SAMPLE ELEVATION



Operation

Normal Daytime Operation

The day/night keyswitch is in the day position, which disables power to the EML310 magnetic lock. Egress/entrance is by the push/pull trim.

Secure Nighttime Operation

The day/night keyswitch is in the night position, which enables power to the EML310 magnetic lock. Entrance is by the exterior pull trim, when the mag lock is disabled by the interior frame switch. The build-in time delay feature on the EML310 magnetic lock is programmable from 0 to 110 seconds for relock time.

NOTE 1: During a fire alarm condition, the normally closed contacts connected to the PS610RF power supply control will open and remove the power to the EML310 magnetic lock.

NOTE 2: Door is closed automatically by the 8900 Series surface mounted door closer.

Parts List

- 1 EA - EML310 Single Magnetic Lock (DORMA)
- 1 EA - PS610RF Power Supply (DORMA)
- 1 EA - FS-1 Frame Switch (DORMA)
- 1 EA - K801 Key Switch (DORMA)
- 1 EA - 8900 Surface Door Closer (DORMA)



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