COMMAND ACCESS
TECHNOLOGIES

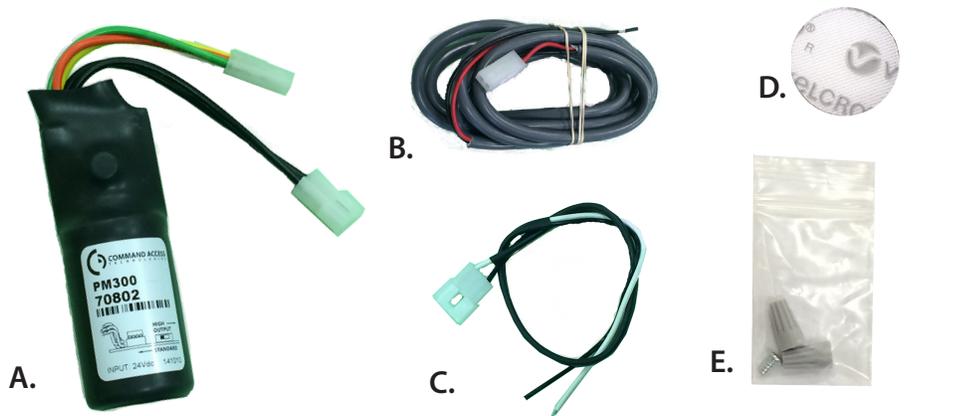# PM300/PM300D

INSTALLATION INSTRUCTIONS

The **PM300** is a power booster interface module that fits inside of an electric latch pullback exit device.

Includes

A. PM300 Module
B. 6' Power Lead
C. 12" Retrofit Wiring Harness
D. 3/4" Velcro
E. Wire Connectors

Tools Required

- Wire Stripper
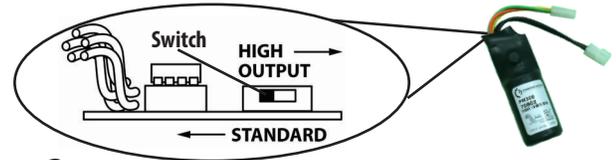
A.

B.

C.

D.

E.

Specifications:

- Wires: Input to PM300 non-polarized Black (+)(-)
- Operating Voltage Range: 22-30 VDC
- Output from PM300: Yellow=Pull Coil; Orange= Hold Coil; Green=Common

Standard Mode	High Output Mode
• Fuse: Glass 3.5 - 5A, Resettable 1A trip	• Fuse: Resettable 2A trip
• Relay: 5A or greater	• Relay: 10A or greater

Switch — HIGH OUTPUT / STANDARD

Scan me

PM300 Compatibility Chart

Power Supply Options for PM300 and PM300D in **Standard Mode**:
The PM300 works best with the Command Access PS210, PS220/220B, PS440B, PS480B, PS1, PS2, & PS5 series regulated power supplies. The PM300 also works with most Regulated power supplies rated at 24VDC and 1.5A or higher. Although we do not recommend using power supplies that we have not thoroughly tested with the PM300. Please check our compatibility chart in link below for a list of other manufactures power supplies.

Power Supply Options for PM300 and PM300D in **High Output Mode**:
In High Output mode, the PM300 is designed for & **MUST BE powered by the Command Access PS210, PS220/220B, PS440B, PS1, and PS5-4 power supplies only.**

Note: High Output is recommended for sluggish devices, vertical rods, & overcoming door misalignment.

Wire Run Guidelines:
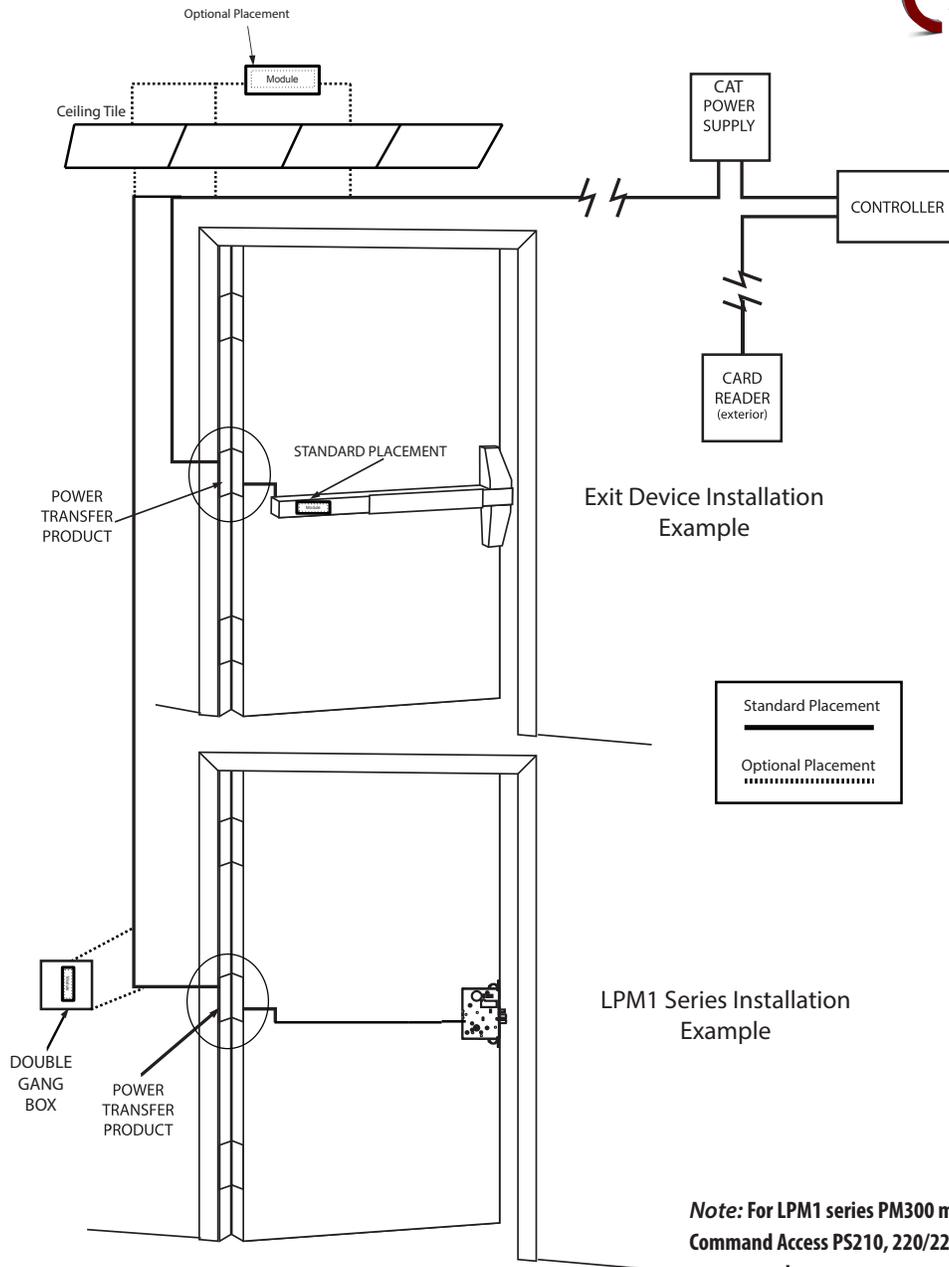For best results we recommend that your maximum wire run not exceed the following:
18ga.= 700'   16ga. = 1000'

U.S. Customer Support
1-888-622-2377

**Visit our website for more details**
www.CommandAccess.com

Canada Customer Support
1-855-823-3002

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PM300 Flow Diagram

Optional Placement

Module

Ceiling Tile

CAT
POWER
SUPPLY

CONTROLLER

CARD
READER
(exterior)

POWER
TRANSFER
PRODUCT

STANDARD PLACEMENT

Module

Exit Device Installation Example

Standard Placement

Optional Placement

DOUBLE
GANG
BOX

POWER
TRANSFER
PRODUCT

LPM1 Series Installation Example

Note: **For LPM1 series PM300 must be paired with a Command Access PS210, 220/220B, PS440B, P1, or PS5-4 power supply.**

How to hook it up for Command Access & Von Duprin Devices:

The unit comes with an easy plug-in 3 prong connector that connects directly to Command Access and Von Duprin solenoids. There is a second easy plug-in 2 prong connector that connects to the 6' power lead. The 6' power lead should be connected to the positive and negative leads from the power supply.
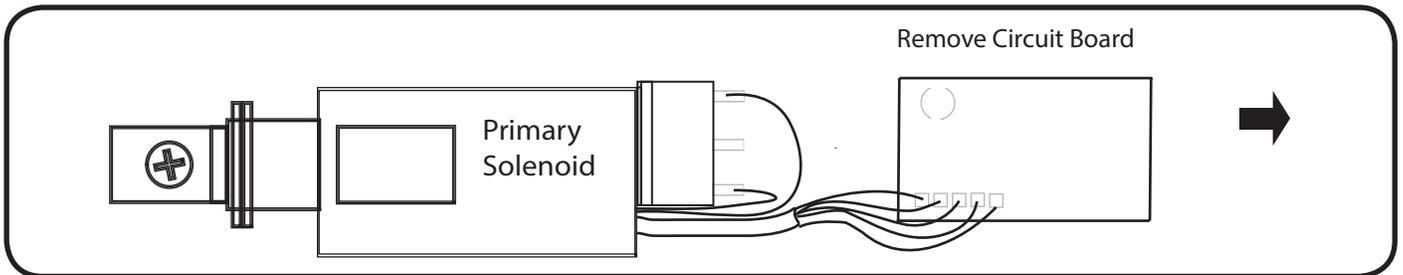
PM300

24 VDC
Solenoid

STANDARD

Recommended Mode
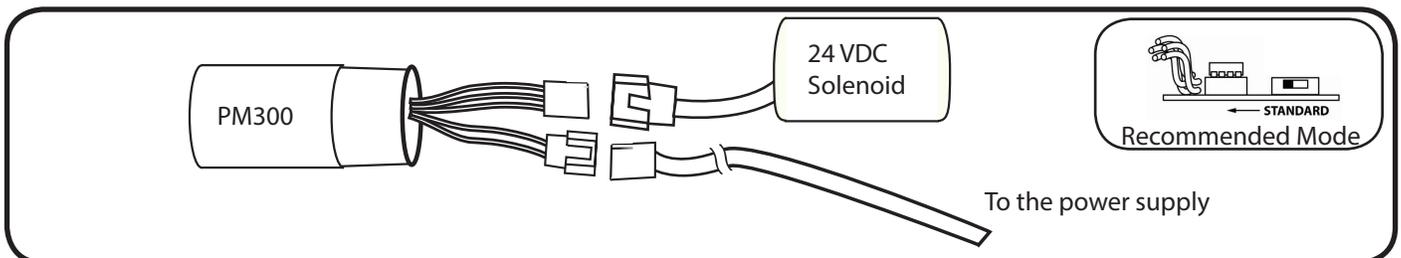
To the power supply

How to hook it up for other Manufactures Devices:

The unit comes with an easy plug-in 3 prong wire harness that to retrofits to the existing solenoid. There is a second easy plug-in 2 prong wire harness that connects to the power from the power supply. The harness should be connected to the positive and negative leads from the power supply. Generic examples and specific retrofits are shown below.

Adams Rite wire connections instructions:

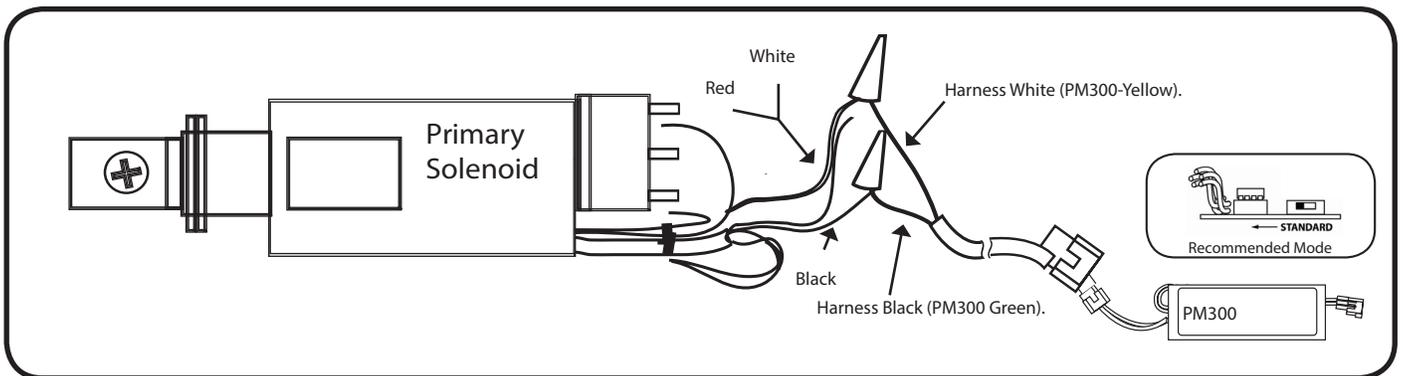Remove pushbar and separate push pad from device to gain access to the solenoid/circuit board assembly.

A.   Cut wires from Adams Rite Circuit board and remove board.

Remove Circuit Board

Primary Solenoid

**B.**   Tape back the two Blue wire.

Primary Solenoid

Blue

C.   Connect White and Red wires from solenoid to White wire from harness. Next, connect Black wire from solenoid to Black wire from harness. Next, connect PM300.
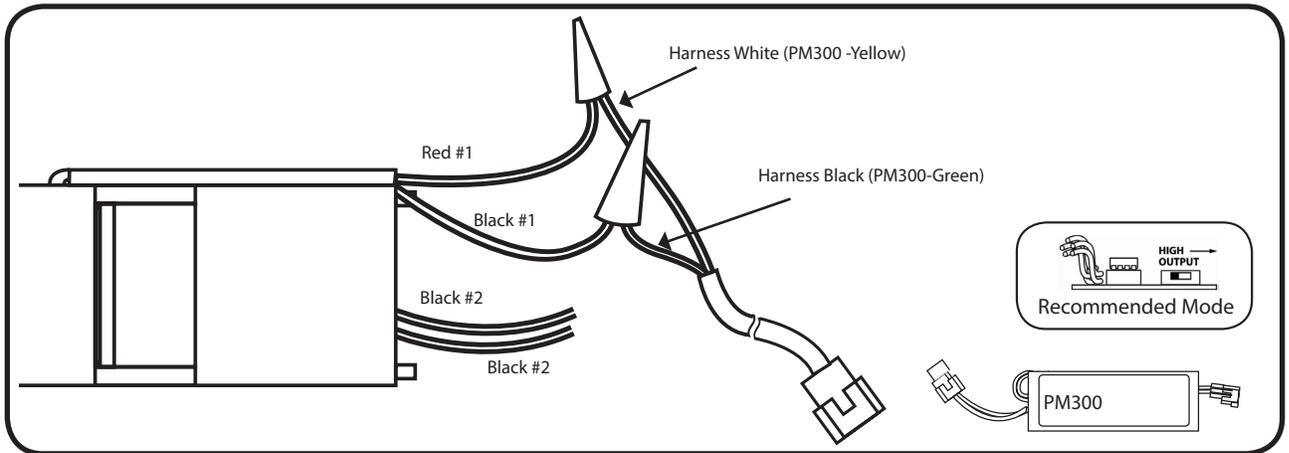
White

Red

Harness White (PM300-Yellow).

Primary Solenoid

Black

Harness Black (PM300 Green).

STANDARD

Recommended Mode

PM300

Corbin/Russwin **wire connections instructions:**

Remove pushbar and separate push pad from device to gain access to the solenoid/circuit board assembly.

A.   Cut wires to disconnect solenoid from circuit board. Remove circuit board.

Red #1

Black #1

Primary
Solenoid

Secondary
Solenoid

Black #2
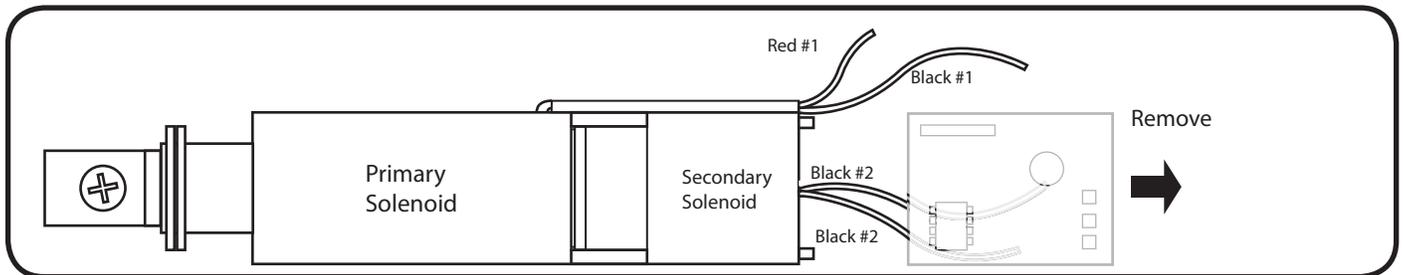
Black #2

Remove

B.   Connect Red #1 solenoid wire to White harness wire. Next, connect Black #1 to Black harness wire. Disregard the two Secondary Black wires. Next, connect PM300.

Harness White (PM300 -Yellow)

Red #1

Harness Black (PM300-Green)

Black #1

Black #2

Black #2

HIGH
OUTPUT

Recommended Mode

PM300

Precision **wire connections instructions:**

Remove pushbar and separate push pad from device to gain access to the solenoid/circuit board assembly.

A.   Connect primary White #1 wire to White harness wire. Next connect White #2 wire to Black harness wire. Disregard both Black #2 wires. Next, connect PM300.

Precision pushpad and housing

Harness White (PM300 Yellow)

White #1

White #2

Harness Black (PM300 Green)

Black #1

Black #2

HIGH
OUTPUT

Recommended Mode

PM300