

PM300/PM300D

INSTALLATION INSTRUCTIONS

The **PM300** is a power booster interface module that fits inside of an electric latch pullback exit device. When installed in the exit device, it typically allows for a much longer wire run from the power supply to the exit device (typically up to 700' with 18/2 wire).



Includes

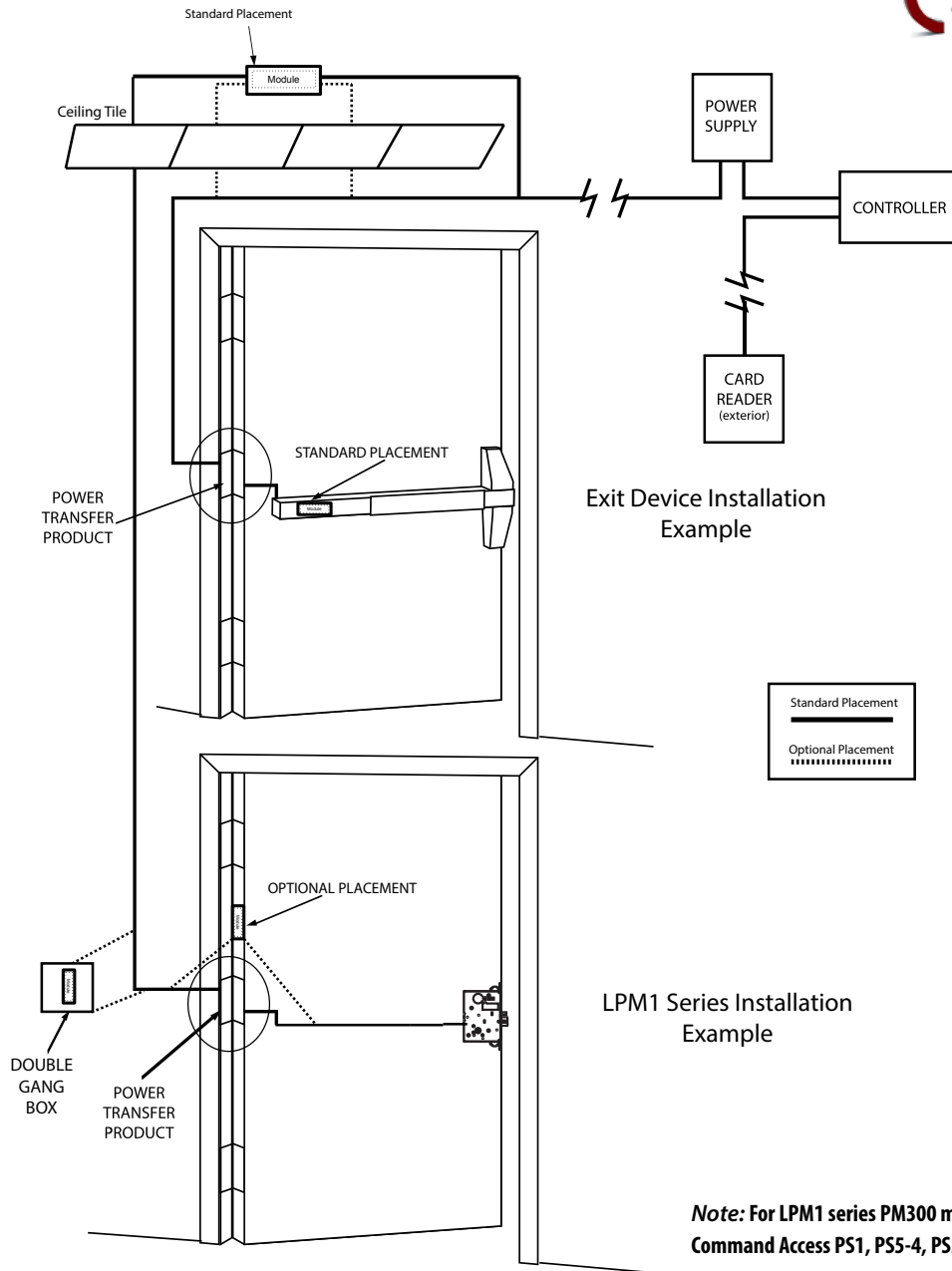
- A. 12" Retrofit Wiring Harness
- B. PM300 Module
- C. 6' Power Lead.
- D. 3/4" Velcro
- E. Wire Connectors

Tools Required

- Wire Stripper

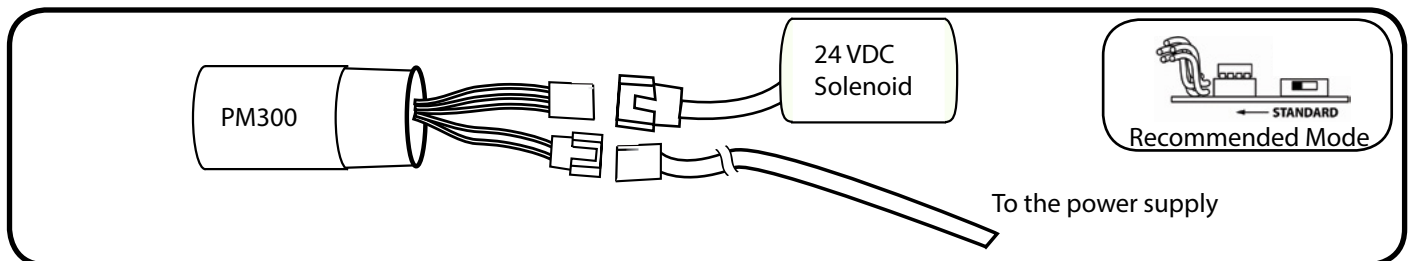
****Please See Last Page for Technical Information****

PM300 Flow Diagram



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.



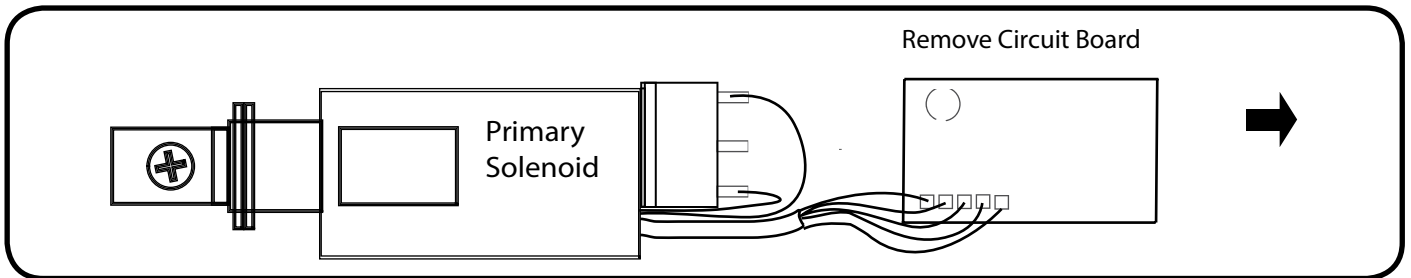
How to hook it up for other Manufactures Devices:

The unit comes with an easy plug-in 3 prong wire harness that 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.

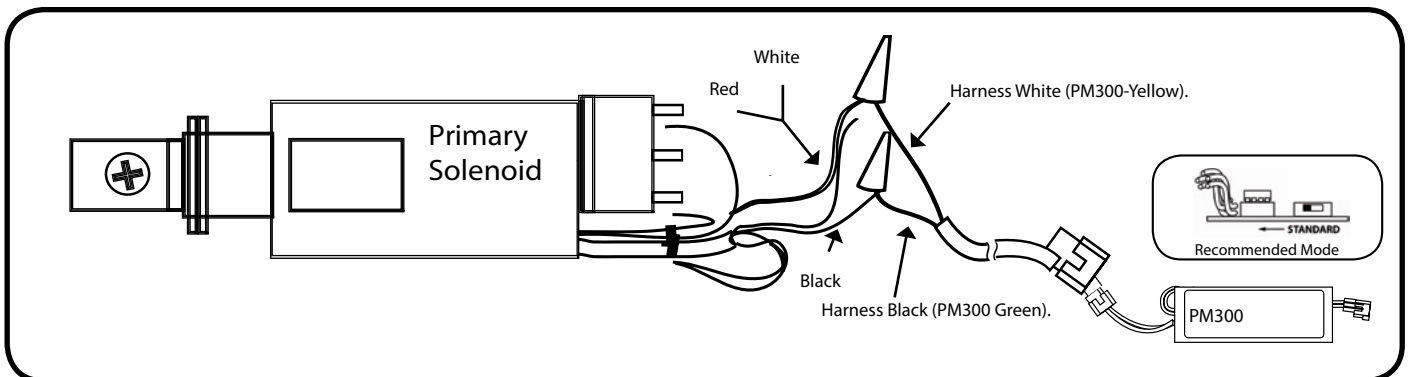
- A.** Cut wires from Adams Rite Circuit board and remove board.



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



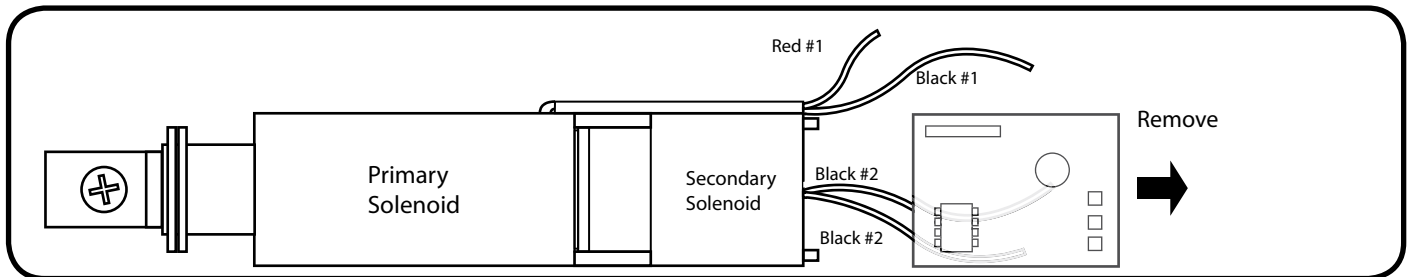
- C.** Connect White and Red wires from solenoid to White wire from harness. Next, connect Black wire from solenoid to Black wire from harness. Next, connect PM300.



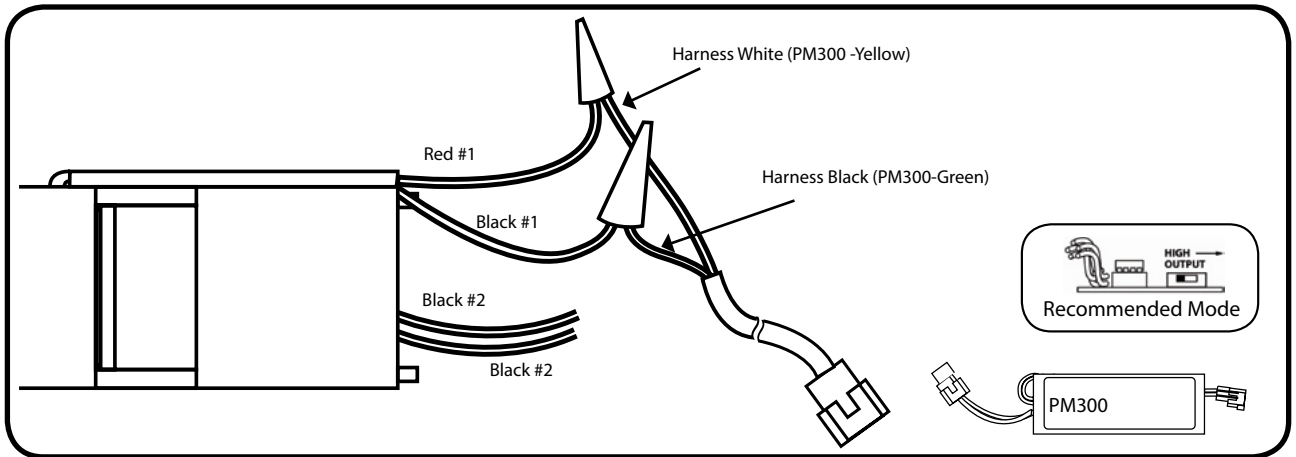
Corbin/Russwin wire connections instructions:

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.



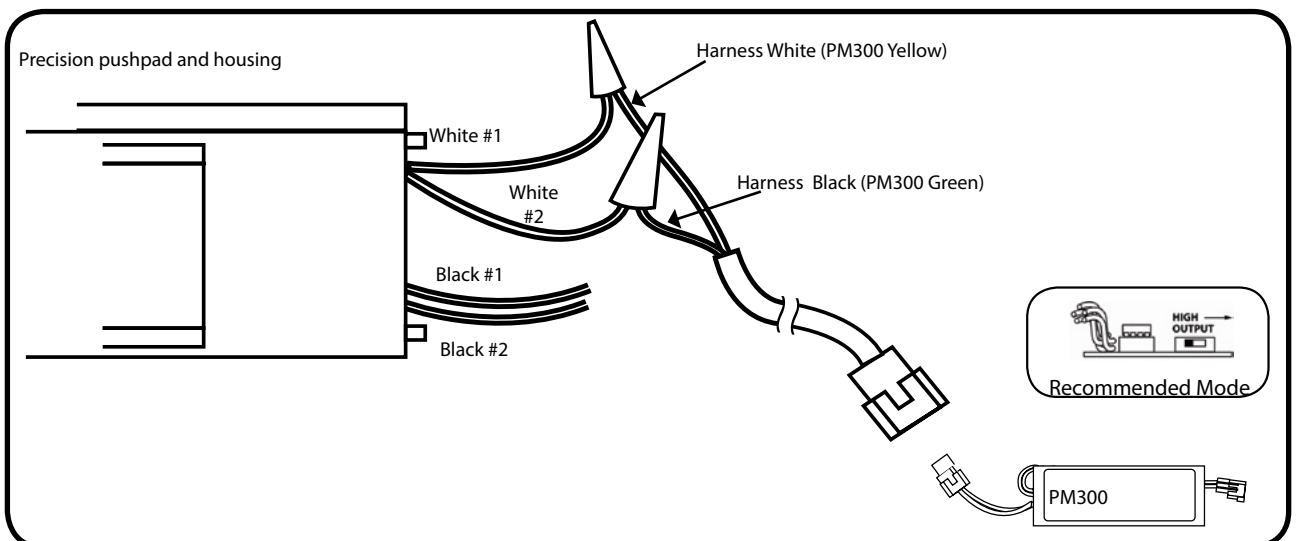
- B. Connect Red #1 solenoid wire to White harness wire. Next, connect Black #1 to Black harness wire. Disregard the two Secondary Black wires. Next, connect PM300.



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.





PM300/PM300D

TECHNICAL INFORMATION

Models:

PM300 - Standard model designed to work with 24 VDC regulated power supplies. 12" retrofit wiring harness for other manufactures, such as, Adams Rite, Corbin/Yale, Precision, and more.

PM300D - Same as PM300 above with the added feature of a .5 second delay.

Specifications:

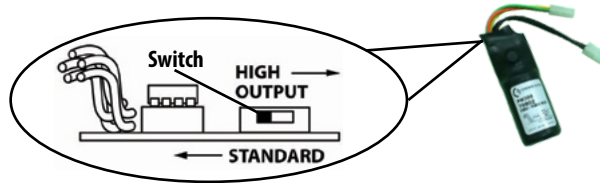
- Wires: Input to PM300 non-polarized Black (+)(-) • Operating Voltage Range: 22-30 VDC
- Output from PM300: Yellow=Pull Coil; Orange= Hold Coil; Green=Common

Standard Mode

- Fuse: Glass 3.5 - 5A, Resettable 1A trip
- Relay: 5A or greater

High Output Mode

- Fuse: Resettable 2A trip
- Relay: 10A or greater



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

Power Supply Options for PM300 and PM300D in **Standard Mode:**

The PM300 works best with the Command Access 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 PS1, PS5-4, and PS5-6 power supplies only.**

Wire Run Guidelines:

For best results we recommend that your maximum wire run not exceed the following:

18ga.= 700'

16ga. = 1000'

14ga. = 1250'

12ga. = 1500'

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[PM300 Compatibility Chart](#)

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

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

**Canada Customer Support
1-855-823-3002**