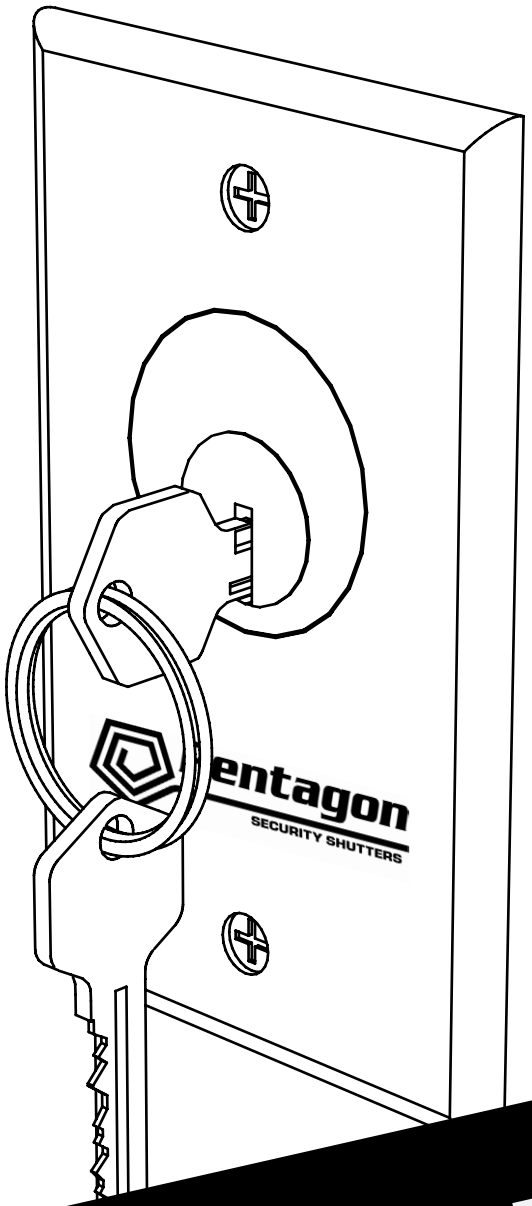
DefendaGuard
BY PENTAGON

KEY SWITCH
STANDARD MOTOR
Wiring Diagram



DEALER INFORMATION

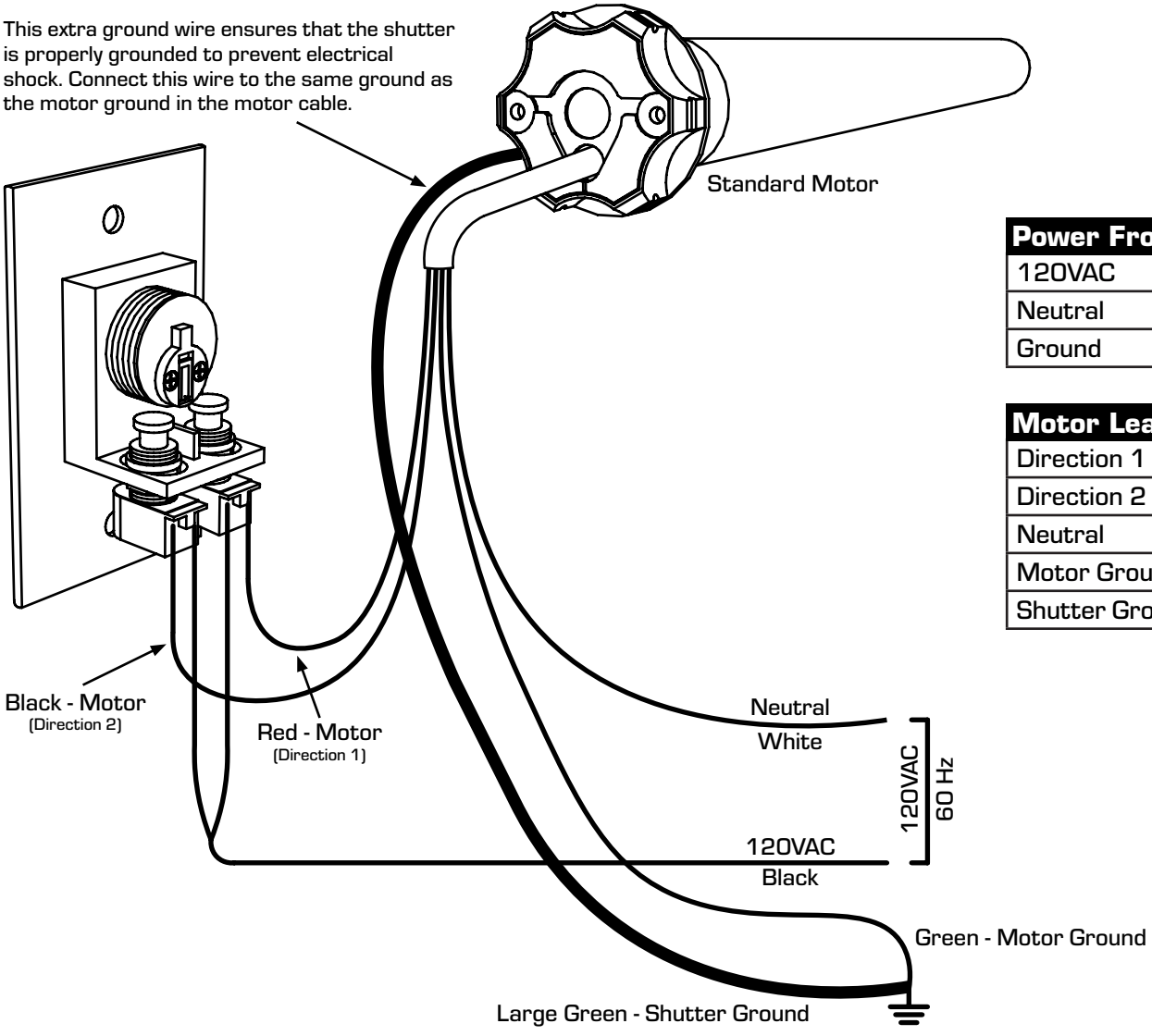
WIRING & INSTALL INSTRUCTIONS

INSTALLATION INFO & WIRING

INSTALLATION REQUIREMENTS

1. For installation by a qualified electrician in accordance with national and local electrical codes, and following the following instructions.
2. Risk of electrical shock. Disconnect power before installing. Never wire energized components.
3. Select conductors having 90° C or higher rated insulation having sufficient ampacity in accordance with the 60° C column of National Electric Code© Table 310-16 or Canadian Electric Code Table 2. DO NOT USE TIN CONDUCTORS.
4. Do not more than one operator to a single pole switch without an isolation control.
5. Do not connect more than one switch to an operator without an isolation control. If your application requires more than one switch for each motor, or you want to control more than one motor with one switch, refer to the isolation control instructions. The motor warranty is subject to cancellation if the above instructions are not followed.

KEY SWITCH WIRING - STANDARD MOTOR



Power From Source	
120VAC	Black
Neutral	White
Ground	Green

Motor Leads	
Direction 1	Red
Direction 2	Black
Neutral	White
Motor Ground	Green
Shutter Ground	Large Green

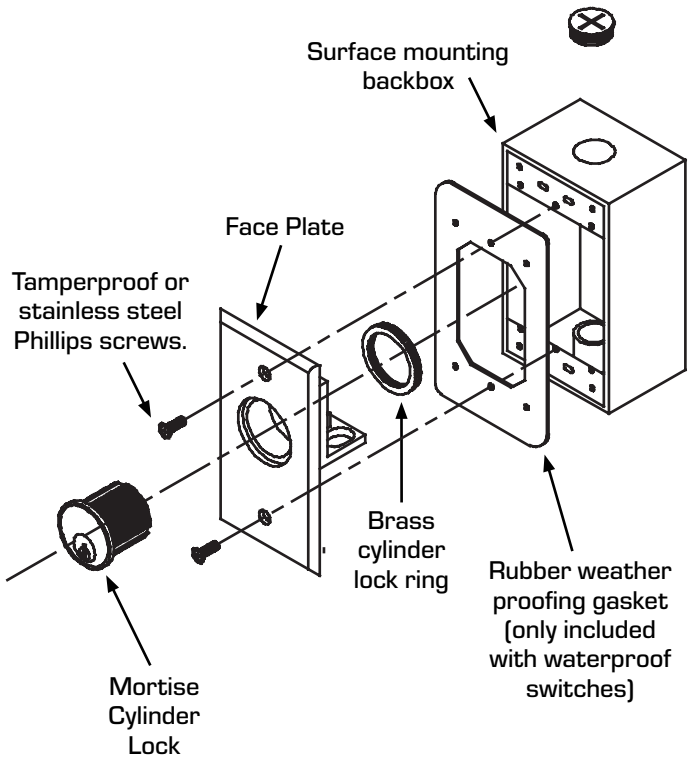
KEY SWITCH INSTALLATION

1. Insert the mortise cylinder lock through the front of the face plate, making sure to align the groves on the sides of the cylinder with the corresponding “retainers” on the back of the face plates.

2. Push firmly on the cylinder, until it snaps into place, lying flush in the front of the face plate.

3. Thread the brass cylinder lock ring onto the back of the cylinder, and tighten it in place.

4. Turn the key in teh cylinder lock, and ensure the cam hits the top of the switched squarely in the center.



If the cam does not hit the switches squarely in the center:

Adjust the switches in the slotted holes until the cam hits them in the center. It does not affect operation of the cam if the cylinder rests against the switches, as long as the switches are not fully depressed until activated by a turn of the key. If the cam does not depress the switches, or blocks the switches from resetting, raise or lower the octagon nut located under the switches. Extra spacers are provided and may be ased as required.

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