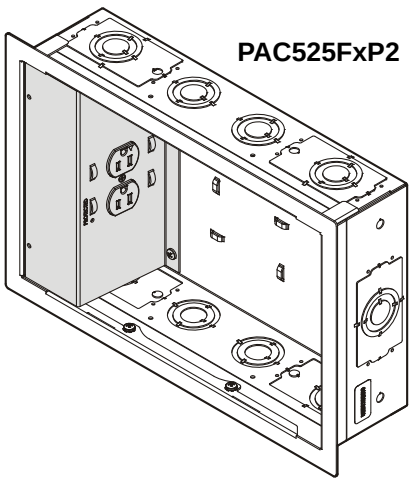
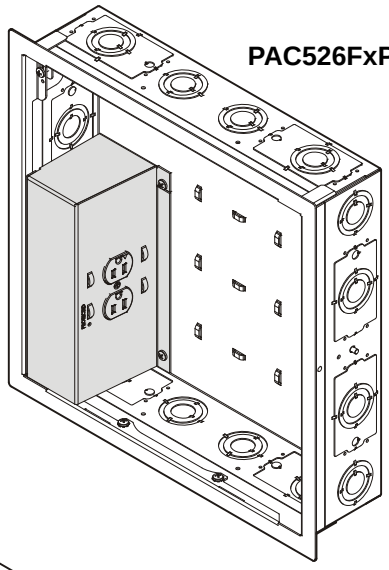
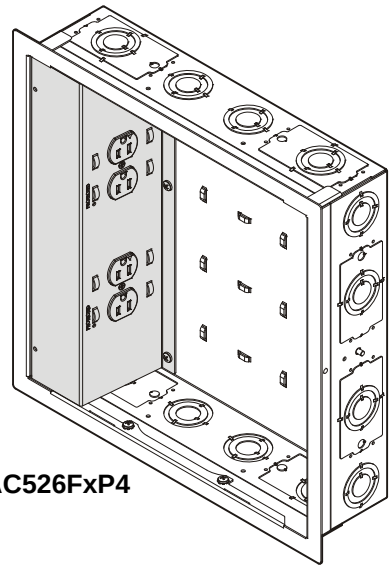
# INSTALLATION INSTRUCTIONS
# ADDENDUM



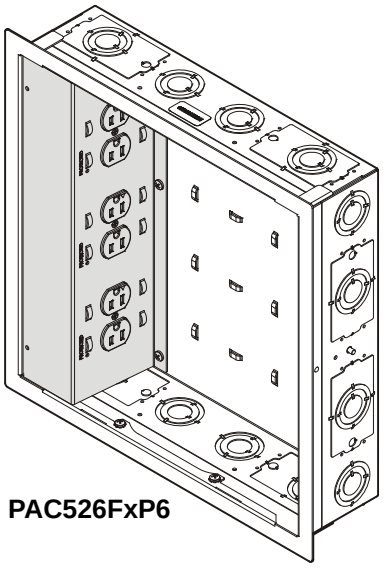
PAC525FxP2



PAC526FxP2



PAC526FxP4



PAC526FxP6

## Powered In-Wall Storage Boxes

CHIEF®
Our Mounts. **Your Vision.**

**PAC525FxP2 / PAC526FxP2 / PAC526FxP4 / PAC526FxP6**

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## IMPORTANT SAFETY INSTRUCTIONS

WARNING alerts you to the possibility of serious injury or death if you do not follow the instructions.

CAUTION alerts you to the possibility of damage or destruction of equipment if you do not follow the corresponding instructions.

WARNING: FAILURE TO READ AND FOLLOW THE FOLLOWING INSTRUCTIONS CAN RESULT IN SERIOUS PERSONAL INJURY, DAMAGE TO EQUIPMENT OR VOIDING OF FACTORY WARRANTY. It is the installer's responsibility to make sure all components are properly assembled and installed using the instructions provided.

**READ ALL INSTRUCTIONS BEFORE USING THIS PRODUCT!!!!**

DANGER: TO REDUCE THE RISK OF ELECTRIC SHOCK:

1. Always turn off power at source before installing the outlet.

WARNING: TO REDUCE THE RISK OF BURNS, FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS:

- Always turn off power at source before servicing or removing the outlet.
- Do not use outdoors - For indoor use only.
- Route cables as shown in these installation instructions.
- To disconnect, turn off power at source.

WARNING: RISK OF ELECTRIC SHOCK! Make sure the outlet is properly grounded. See grounding instructions.

WARNING: Failure to provide adequate structural strength for this outlet can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the structure to which this product is attached can support the weight of the box.

CAUTION: This equipment must be installed and assembled by qualified service personnel in accordance with local building and electrical codes.

**NOTE:** Knockouts are provided for ease of installation. Any unused knockouts that have been punched are to be closed up with a metal plug.

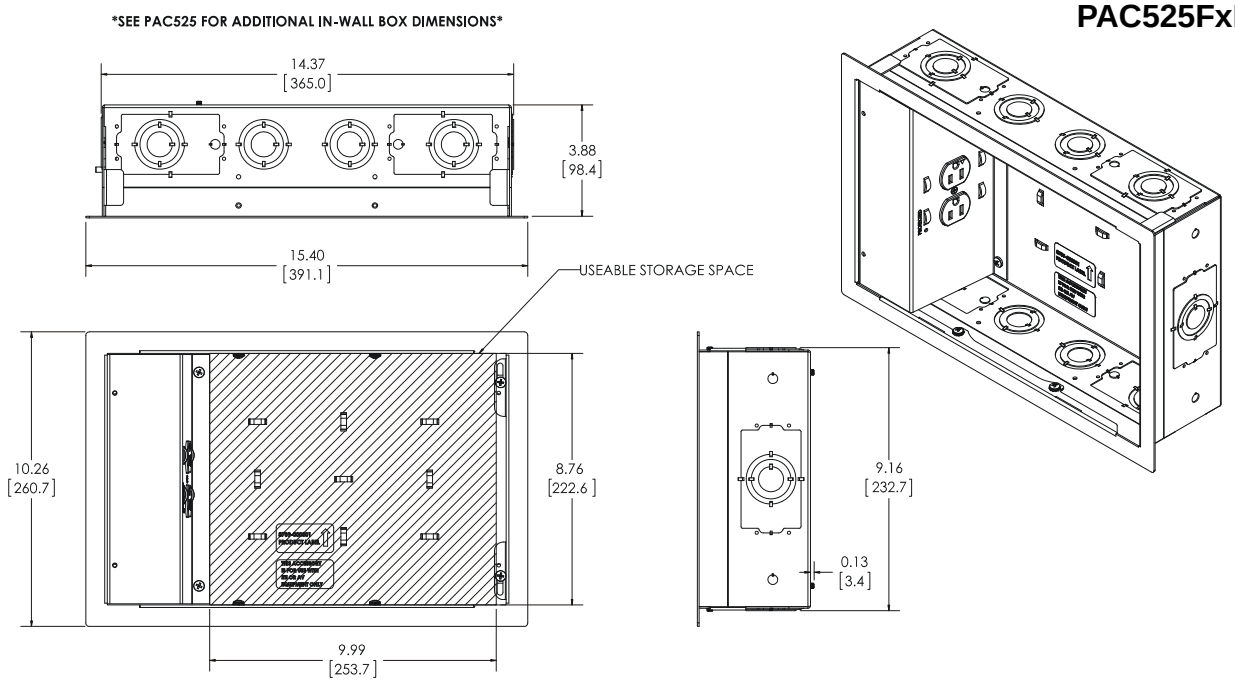
**NOTE:** Ambient Temperature - The manufacturer's maximum ambient temperature is 104°F (40°C) and minimum ambient temperature is 30°F (-1°C) so that the installer is able to determine acceptability of use of Accessories and components.

**--SAVE THESE INSTRUCTIONS--**

## DIMENSIONS

### PAC525FxP2

*SEE PAC525 FOR ADDITIONAL IN-WALL BOX DIMENSIONS*




AC LINE POWER CONDITIONER 125 V~, 60 Hz, 15 A

4x14 AWG STRANDED WIRE W/ ISOLATED GROUND

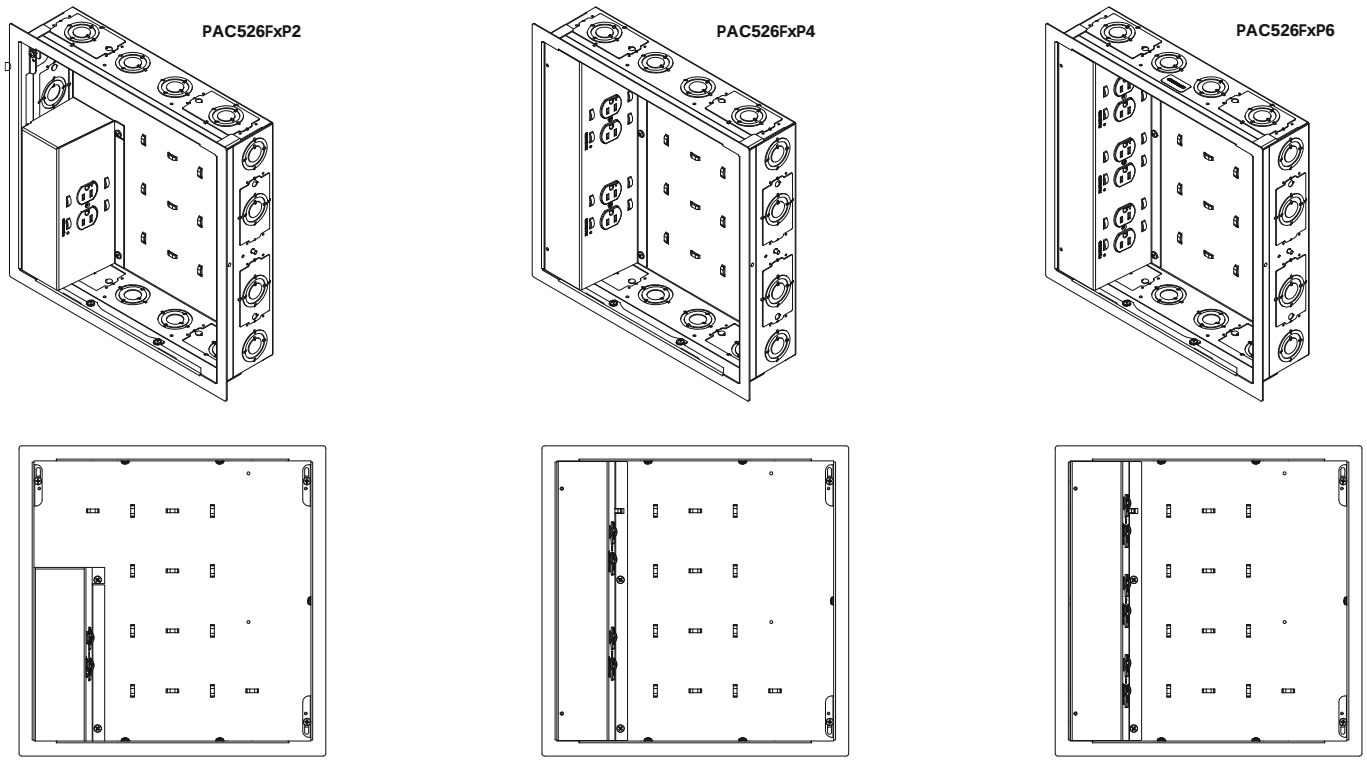
SURGE PROTECTION

EMI/RFI FILTERING

POWER CONSUMPTION: <0.5 WATT

DIMENSIONS: INCHES
[MILLIMETERS]

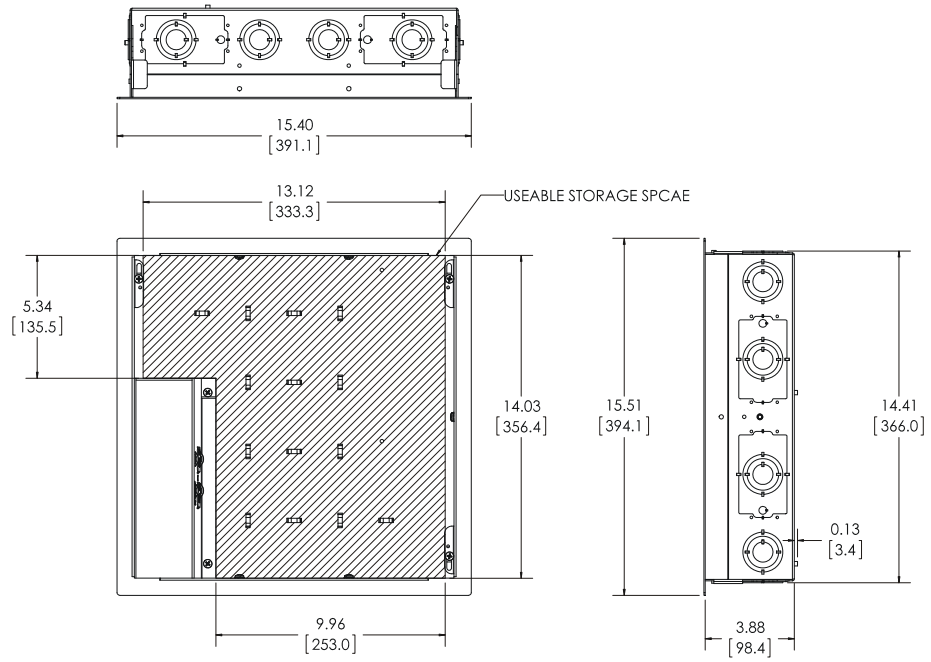
### PAC526FxP2/P4/P6

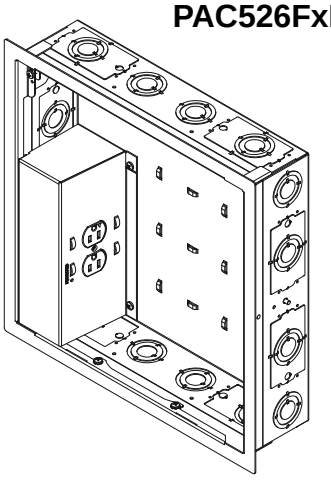


## DIMENSIONS - continued

*SEE PAC526 FOR ADDITIONAL BOX DIMENSIONS*

**PAC526FxP2**



AC LINE POWER CONDITIONER 125 V~, 60 Hz, 15 A

4x14 AWG STRANDED WIRE W/ ISOLATED GROUND

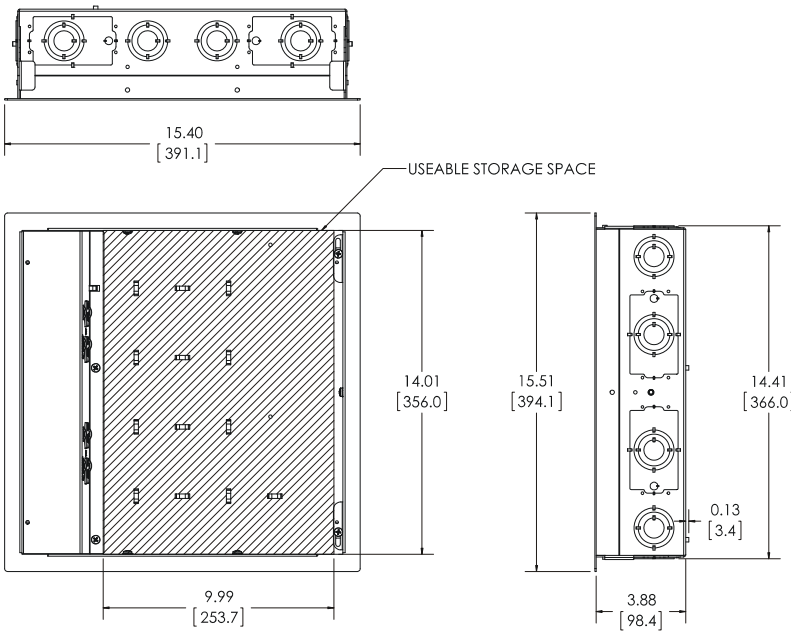
SURGE PROTECTION

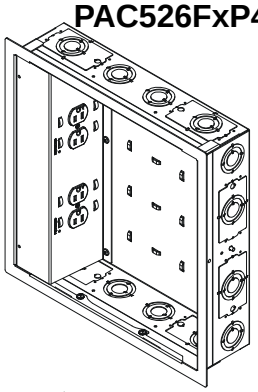
EMI/RFI FILTERING

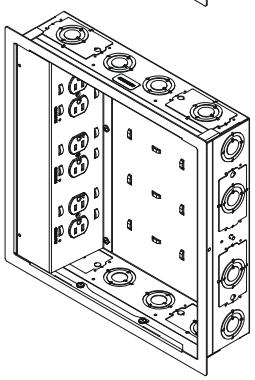
POWER CONSUMPTION: <0.5 WATT

*SEE PAC526 FOR ADDITIONAL BOX DIMENSIONS*

**PAC526FxP4/P6**





AC LINE POWER CONDITIONER 125 V~, 60 Hz, 15 A

4x14 AWG STRANDED WIRE W/ ISOLATED GROUND

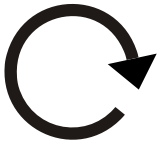
SURGE PROTECTION

EMI/RFI FILTERING

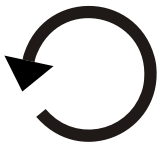
POWER CONSUMPTION: <0.5 WATT

DIMENSIONS: INCHES
[MILLIMETERS]

## LEGEND



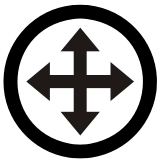
| Tighten Fastener |
|---|
| Apretar elemento de fijación |
| Befestigungsteil festziehen |
| Apertar fixador |
| Serrare il fissaggio |
| Bevestiging vastdraaien |
| Serrez les fixations |



| Loosen Fastener |
|---|
| Aflojar elemento de fijación |
| Befestigungsteil lösen |
| Desapertar fixador |
| Allentare il fissaggio |
| Bevestiging losdraaien |
| Desserrez les fixations |

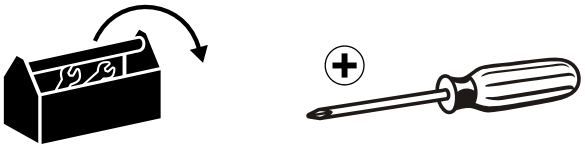


| Phillips Screwdriver |
|---|
| Destornillador Phillips |
| Kreuzschlitzschraubendreher |
| Chave de fendas Phillips |
| Cacciavite a stella |
| Kruiskopschroevendraaier |
| Tournevis à pointe cruciforme |



| Adjust |
|---|
| Ajustar |
| Einstellen |
| Ajustar |
| Regolare |
| Afstellen |
| Ajuster |

## TOOLS REQUIRED FOR INSTALLATION / PARTS





Grounding screw installed at factory (see below)

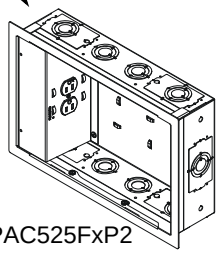
10-32
grounding screw





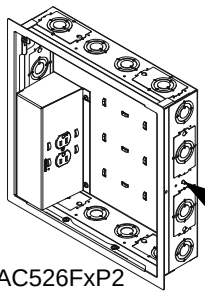
Earthing symbol IEC 60418 No. 5019
affixed adjacent to grounding terminal

grounding screw
(located on one side of PAC525 box)



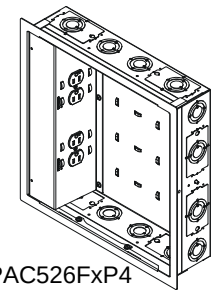
PAC525FxP2

OR



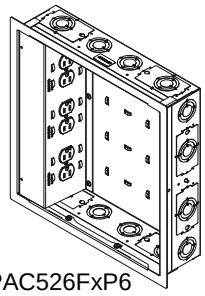
PAC526FxP2

OR



PAC526FxP4

OR



PAC526FxP6

grounding screw
(located on two sides of PAC526 box)

## Isolated Ground Receptacle

This product incorporates an isolated ground receptacle, identified by the orange triangle on its face. This feature may be useful to reduce common noise in the connected equipment. Its intended use is to reduce electrical noise (electromagnetic interference) by purposely insulating the grounding circuit from any metallic wiring system. The ground pin of the receptacle is connected to the green/yellow wire and is isolated from the metal mounting yoke of the receptacle. The accessible metal of the product is connected to the green wire. If it is not desired to use this feature, connect the green/yellow and green wires together.

### References

Application Guide for Isolated Ground Wiring Devices 2007, National Electrical Manufacturers Association (NEMA)

IEEE Std 1100™-2005, “IEEE Recommended Practice for Powering and Grounding Electronic Equipment” (Emerald Book), Section 8.5.3.2.

IEEE Std 142™-2007, “IEEE Recommended Practice for Grounding of Industrial and Commercial Power Systems” (Green Book), Sections 5.5.1, 5.5.2

NFPA-70, “National Electrical Code”, Article 250.146 Connecting Receptacle Grounding Terminal to Box.

- (D) Isolated Ground Receptacles. Where installed for the reduction of electrical noise (electromagnetic interference) on the grounding circuit, a receptacle in which the grounding terminal is purposefully insulated from the receptacle mounting means shall be permitted. The receptacle grounding terminal shall be connected to an insulated equipment grounding conductor run with the circuit conductors. This equipment grounding conductor shall be permitted to pass through one or more panel boards without a connection to the panel board grounding terminal bar as permitted in 408.40, Exception, so as to terminate within the same building or structure directly at an equipment grounding conductor terminal of the applicable derived system or service. Where installed in accordance with the provisions of this section, this equipment grounding conductor shall also be permitted to pass through boxes, wire ways, or other enclosures without being connected to such enclosures.
- Informational Note: Use of an isolated equipment grounding conductor does not relieve the requirement for grounding the raceway system and outlet box.

C22.2 No. 1, “Canadian Electrical Code, Part 1”, Rule 10-906 Bonding conductor connection to circuits and equipment.

- (6) A bonding jumper shall be installed to connect the bonding conductor to the grounding terminal of a receptacle and in such a manner that disconnection or removal of the receptacle will not interfere with, or interrupt grounding continuity.
- (7) In the case of metallically enclosed systems where the grounding path is provided by the metal enclosure, a bonding jumper shall be installed to bond the grounding terminal of the receptacle to the enclosure.
- (8) Notwithstanding Sub-rules (6) and (7), the bonding jumper, in the case of receptacles having grounding terminals isolated from the mounting strap required for special equipment, shall be permitted to be extended directly back to the distribution panel.

**WARNING:** IMPROPER INSTALLATION CAN RESULT IN DEATH OR SERIOUS PERSONAL INJURY! This enclosure should be installed by qualified personnel.

**IMPORTANT ! :** In addition to the PAC525/PAC526 Series installation instructions accompanying the products, the following steps must also be taken when installing the **PAC525FxP2 / PAC526FxP2 / PAC526FxP4 / PAC526FxP6.**

**NOTE:** The PAC525FxP2, PAC526FxP2, PAC526FxP4, and PAC526FxP6 must be connected to a 15 Amp branch circuit.

## Prepare for Wiring

1. Remove and save two Phillips head screws holding power kit within box. (See Figure 1)
2. Remove the power kit from the in-wall box, detaching the tab on the power kit from the tabs in the in-wall box. (See Figure 1)

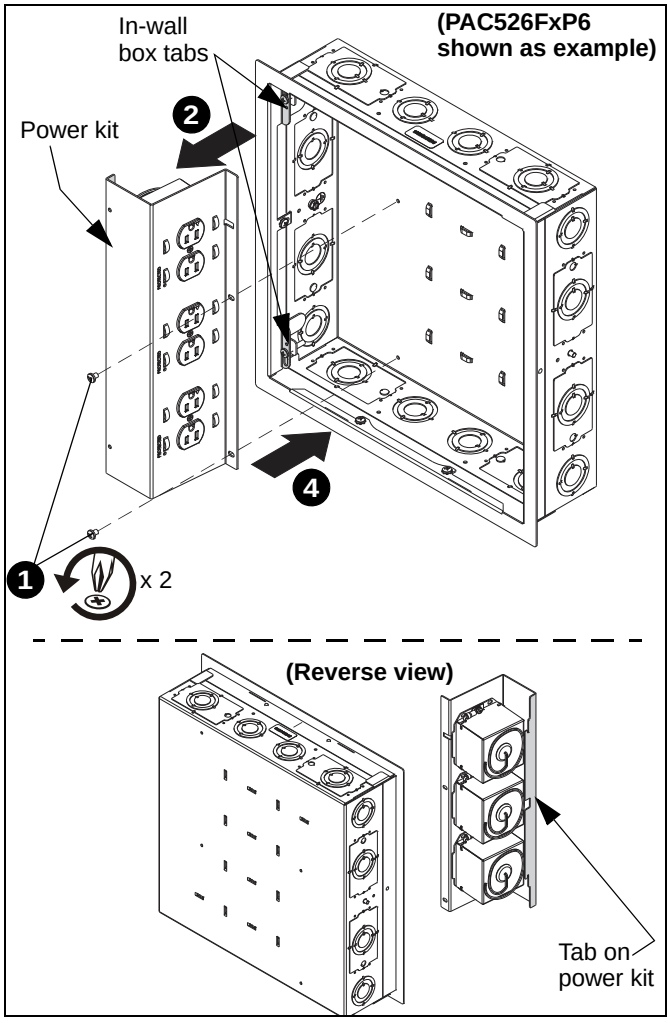



**Figure 1**

3. Wire the outlet box(es) as required. Refer to Table 1 and Table 2 for input and output specifications. (See Figure 2)

**Table 1: Input Specifications**

| Input | |
|---|---|
| Input voltage, frequency | 125 V AC, 60 Hz |
| Input connection type | 4x14 AWG stranded, UL Style 1015, CSA TEW |
| Input Wire colors | Black - Line<br>White - Neutral<br>Green - Box Ground<br>Green/Yellow - Isolated Ground |
| Input wire length (ft.) | 1 (with a 3/4" stripped end) |

**Table 2: Output Specifications**

| Output | |
|---|---|
| Output | 15 A, 1875 W |
| Power consumption | <0.5 watt |
| Fuses | Thermal current interrupting circuits are in MOVs |
| Quantity/Type | Duplex NEMA 5-15R Isolated Ground Receptacle |
| Color/Markings | Grey with protection symbol (Orange triangle) |

**CAUTION:** Isolated ground-mounting means NOT grounded. Grounding wire connection required.

**IMPORTANT ! :** If a separate isolated green/yellow ground wire is installed in the building wiring, attach it separately to the green/yellow isolated ground wire on box. If there is no separate green/yellow isolated ground wire, connect green ground wire to both green/yellow isolated ground wire and green box ground wire on box.

**NOTE:** The grounding conductors serving this outlet are to be connected to earth ground at the service equipment or other acceptable building earth ground such as the building frame in the case of a high-rise steel-frame structure. Connections should be made with minimum AWG 14 copper wire intended for use on a 15 Amp circuit. The conductors used to connect the outlet to the line or bus and ground shall not be any longer than necessary and shall avoid unnecessary bends.

**NOTE:** An insulated grounding conductor that is identical in size and insulation material and thickness to the grounded and ungrounded circuit supply conductors, except that it is green with or without one or more yellow stripes, is to be installed as part of the circuit that supplies the outlet. Refer to Table 250-122 of the National Electrical Code regarding the appropriate size of the grounding conductor.

**NOTE:** Pressure terminal or pressure splicing connectors and soldering lugs used in the installation of the outlet shall be identified as being suitable for the material of the conductors. Conductors of dissimilar metals shall not be intermixed in a terminal or splicing connector where physical contact occurs between dissimilar conductors unless the device is identified for the purpose and conditions of use.

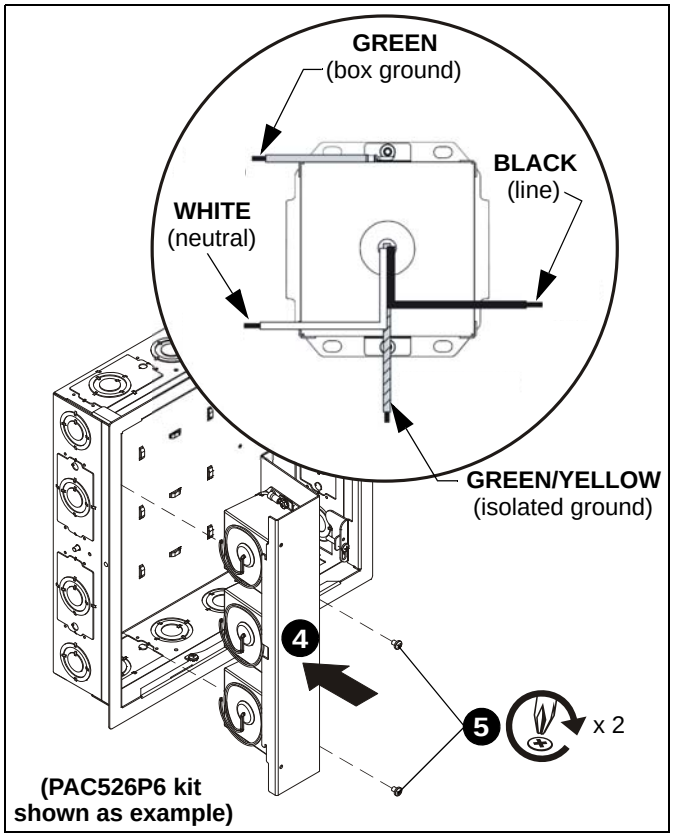



**Figure 2**

4. Replace the power kit into the in-wall box, joining the tab on the power kit with the tabs in the in-wall box. (See Figure 1) and (See Figure 2)

5. Tighten two Phillips screws to secure power kit in the in-wall box. (See Figure 2)

## Outlet Box Use

**NOTE:** The "PROTECTED" light indicates that the surge protection circuitry is active and operational.

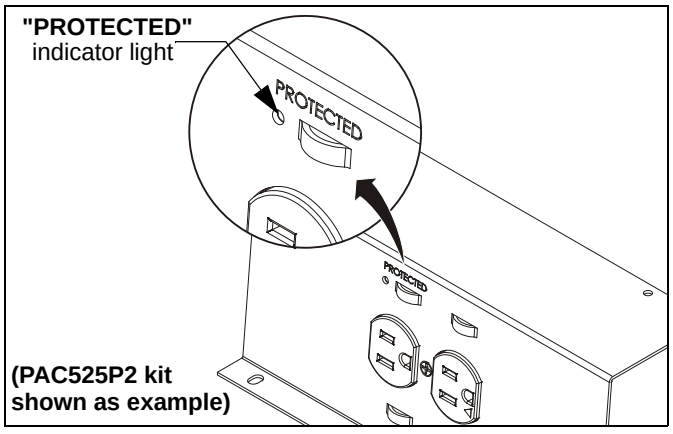



**Figure 3**

6. Complete the installation following the PAC525/526 installation instructions.

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Chief, a products division of
Milestone AV Technologies

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