WIREMOLD

legrand®

AC Raised Floor Box
INSTALLATION INSTRUCTIONS

Installation Instruction No.: IJ0175 R4 – Updated November 2006

Wiremold / Legrand electrical systems conform to and should be properly grounded in compliance with requirements of the current National Electrical Code or codes administered by local authorities.

All electrical products may present a possible shock or fire hazard if improperly installed or used. Wiremold / Legrand electrical products may bear the mark as UL Listed and/or Classified and should be installed in conformance with current local and/or the National Electrical Code.

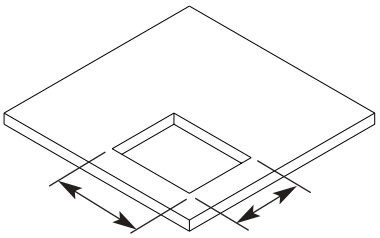
IMPORTANT: Please read all instructions before beginning.

Products Covered: *AC Series Floor Boxes, P Series Device Plates for Power, and C Series Device Plates for Communication.*

NOTE: Products are suitable for use in air handling spaces in accordance with Sec. 300-22(C) of the National Electrical Code.

Step 1

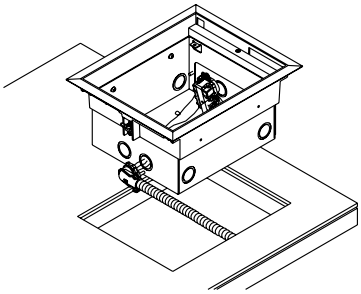
Determine box location on panel and cut the following size hole:

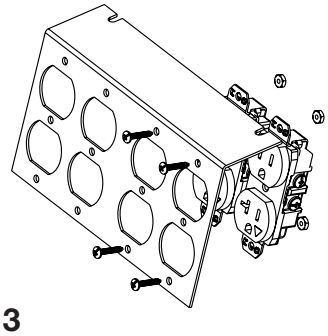


AC Box Model	Panel Cutout Dimensions	
AC8840	8" x 8"	[203mm x 203mm]
AC8850	8" x 8"	[203mm x 203mm]
AC8104	8" x 10"	[203mm x 254mm]
AC8104-90-MS	8" x 10"	[203mm x 254mm]
AC8105	8" x 10"	[203mm x 254mm]
AC10105-2	10" x 10"	[254mm x 254mm]
AC10105-2-AT	10 1/8" x 10 1/8"	[257mm x 257mm]
AC10105-2-90-UB	10" x 10"	[254mm x 254mm]

Step 2

Field Wiring – Power: Pull 1/2" [12.7mm] or 3/4" [19.1mm] trade size flexible conduit through raised floor panel and attach to box with conduit fitting. Wire receptacles according to NEC and local codes.

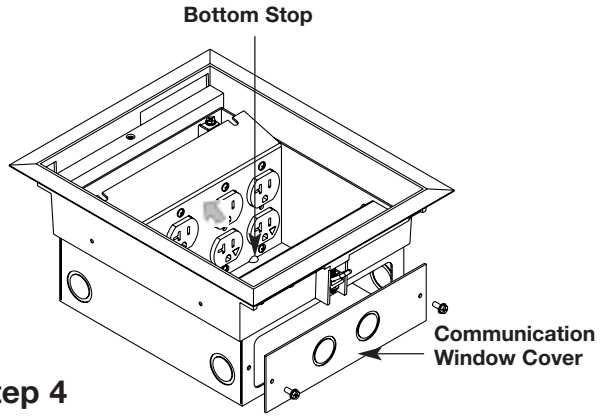




Step 3

Remove screw from receptacle mounting strap. Reinsert screw through the power device plate and receptacle strap and attach with #6-32 hex nut.

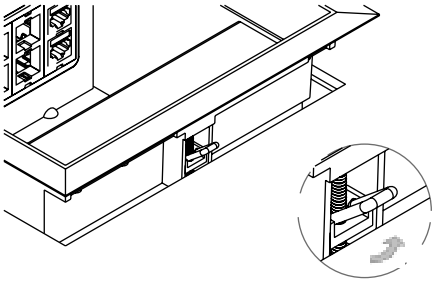
AC Box Model	Use Power Device Plate Series
AC8840	P8840-(suffix)
AC8850	P8850-(suffix)
AC8104	P8104-(suffix)
AC8104-90-MS	Consult Factory
AC8105	P8105-(suffix)
AC10105-2	P10105-(suffix)
AC10105-2-AT	P10105-(suffix)
AC10105-2-90-UB	P10105-(suffix)



Step 4

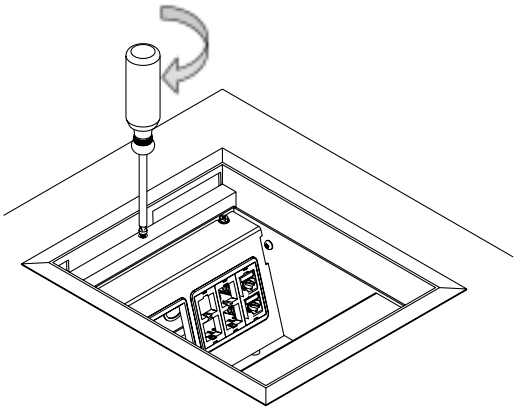
Place device plate in box. Position bottom of plate behind stops in floor of box. Roll plate into position and mount with screws provided.

NOTE: Communication window cover required only if box is all power wiring, or if using conduit to supply communications cabling (See Step 7).



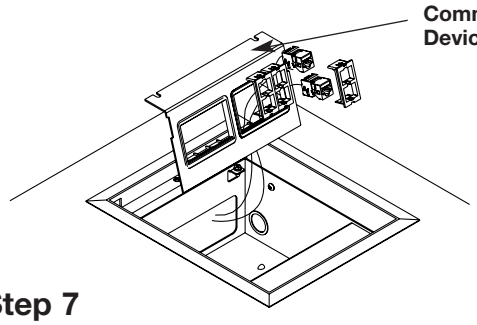
Step 5

Insert box through panel. Toggle should pivot up, allow box to pass through opening, and return to horizontal orientation, locking underneath floor panel. Toggle will require lowering if insufficient clearance inhibits operation.



Step 6

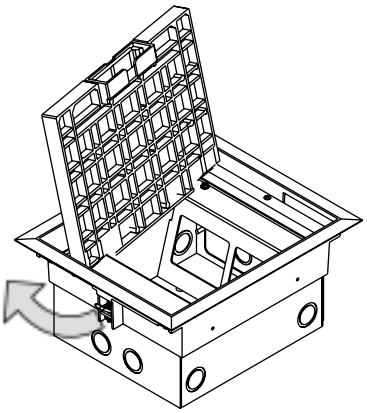
Tighten flange screws until toggle is snug against underside of panel.



Step 7

Field Wiring – Communication: Low voltage cables may be pulled through a bushing in one of the communication device plates, or may be attached to a device that is mounted to the plate. The communication window cover does not need to be attached behind a compartment used for low voltage. Where required by local codes, connect conduit to the communication window cover. Type CMP communications plenum cable is required in raised floor plenums when wiring methods as described in NEC Article 300.22 are not followed.

AC Box Model	Use Power/Communication Plate Series
AC8840	C8840-(suffix) or C8004P-(suffix)
AC8850	C8850-(suffix) or C8005P-(suffix)
AC8104	C8104-(suffix) or C8004P-(suffix)
AC8104-90-MS	Consult Factory
AC8105	C8105-(suffix) or C8005P-(suffix)
AC10105-2	C10105-(suffix) or C10105P-(suffix)
AC10105-2-AT	C10105-(suffix) or C10105P-(suffix)
AC10105-2-90-UB	Consult Factory



Step 8

Reinstall lid (if removed).

Prewired Boxes:
Boxes may be specified and prewired with Walkerflex® Modular Wiring System. Follow the installation instructions supplied with the Walkerflex System to connect power cables to the box.

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