WIREMOLD®

Walker® Infloor Systems

AMD8 Poke-Thru Series
INSTALLATION INSTRUCTIONS

Installation Instruction No.: 1 003 912 – April 2004

Walker® 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. Walker 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.

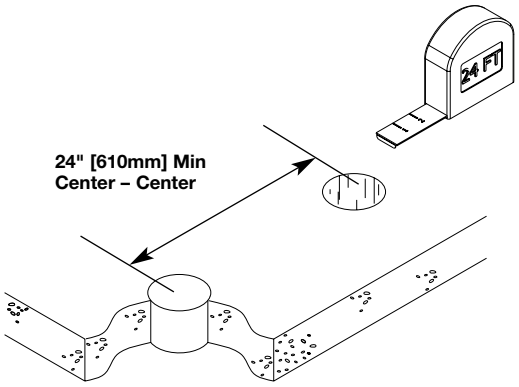
Products Covered: *AMD8STC, AMD8ATC, AMD8ARTTC, AMD8CTC, AMD8CRTTC, AMD8SHTC.*

CAUTION: DO NOT operate tile stripper or resurfacing equipment over top of covers. This may result in damage to the surface finish of the product.

Suitable for use in air handling spaces in accordance with Sec. 300-22 (C) of the National Electrical Code.

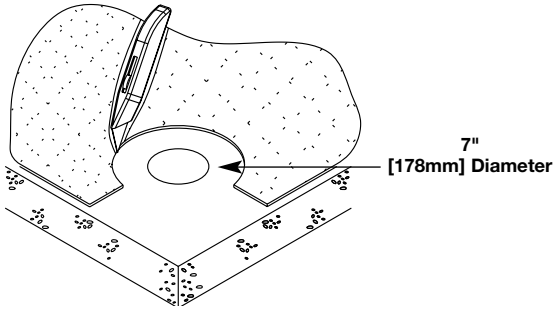
Step 1 Layout and locate position of hole(s).

CAUTION: Spacing is limited to no more than one hole per each 65 sq. ft. [6 sq. m] of floor area in each span.



CAUTION: Be certain to drill hole at least 4" [102mm] from any wall or pillar to leave enough room for Poke-Thru cover assembly.

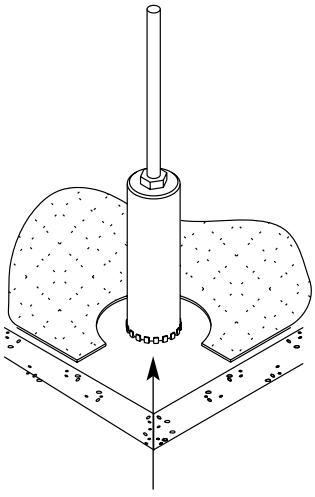
Step 2 Remove 7" diameter [178mm] section from carpet or tile. Use template provided.



CAUTION: For tile installations up to a maximum of 3/4" [19.1mm] thick.

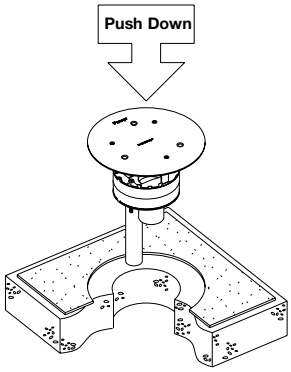
NOTE: For tile thickness greater than 3/4" [19.1mm] consult factory.

Step 3 Core drill hole.



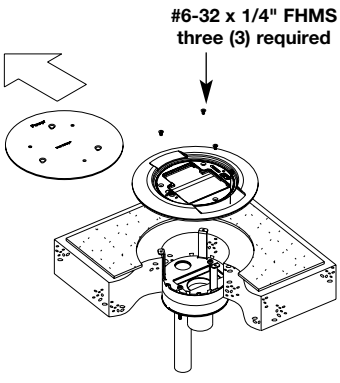
4" [102mm] Diameter Core Drill
4 1/16" [103mm] Actual Diameter

Step 4 ***Stem Assembly:***
Catalog No. AMD8STC
Insert stem into hole.

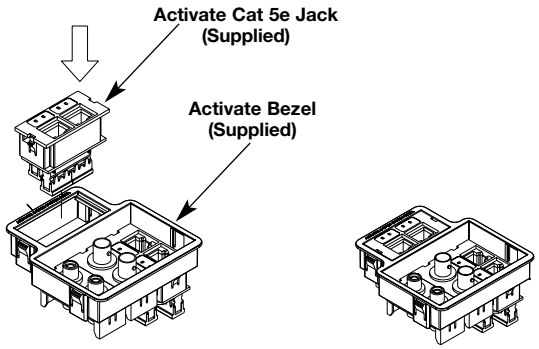


CAUTION: Poke-Thru cannot be rotated in hole after insertion into floor.

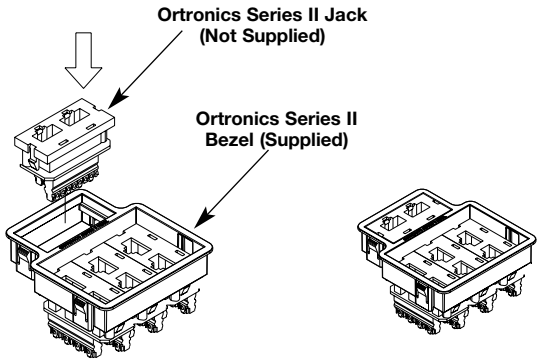
Step 5 ***Cover Assembly:***
Catalog No. AMD8CTC.
Remove disposable plate and replace with carpet/tile flange. Install with three (3) #6-32 x 1/4" [6.4mm] FHMS.



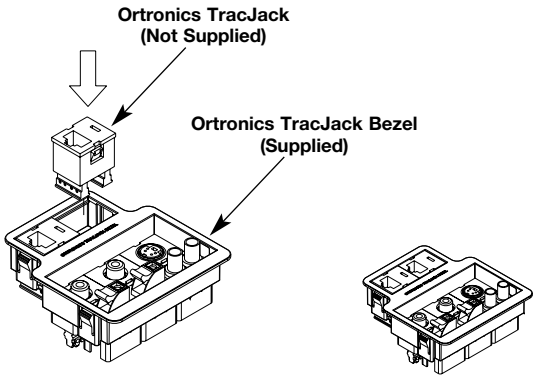
Step 6 Wire and snap communication jacks in adapters as shown.



Pass & Seymour ACTIVATE Bezel and Communication Jack (Supplied with AMD8ATC & AMD8CTC Units).

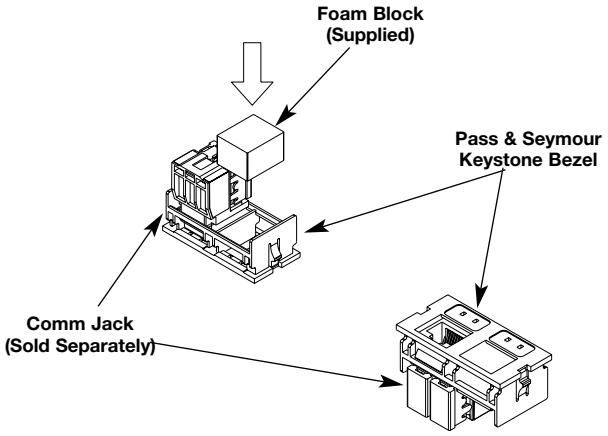


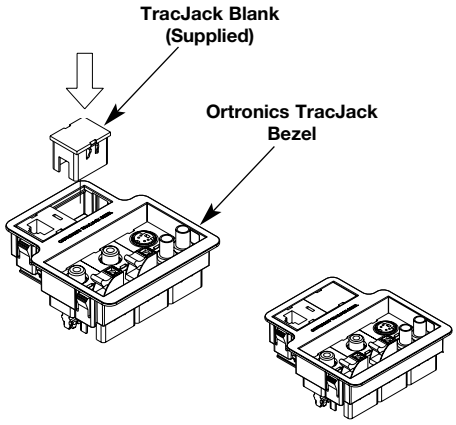
Ortronics Series II Bezel & Communication Jacks (Series II Bezel Included with AMD8ARTTC and AMD8CRTTC, Series II Modular Inserts Sold Separately).



Ortronics TracJack Bezel & Communication Jack (Bezel Supplied with AMD8ARTTC and AMD8CRTTC TracJacks Sold Separately).

Step 7 Insert blanking plugs, plates or neoprene foam blocks in unused communication ports.

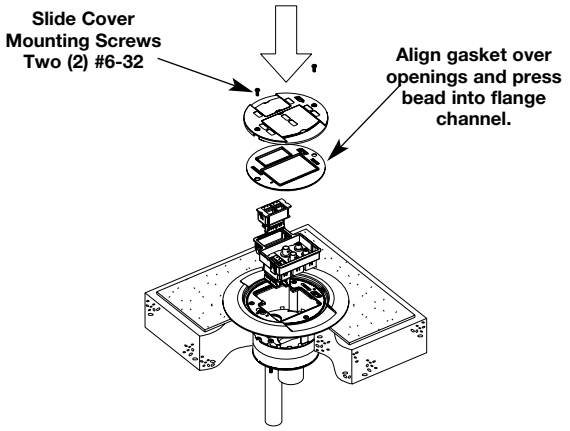




***CAUTION:** Empty communication ports must be closed off with foam blocks, or TracJack blanks to maintain Fire Classification.*

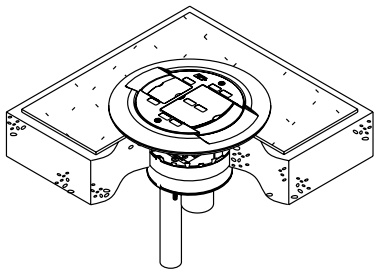
***NOTE:** In order to maintain UL Fire Classification, all communication modules and/or blank inserts (factory or customer supplied) must be UL Listed Communication Circuit Accessories. Modules and/or blank inserts must have a secure fit with the supplied communication brackets with no visual openings between communication modules and communication brackets. All unused openings must be sealed with the appropriate blanking plugs. If cables are to pass through communication openings, any opening between the cable and the insert or bracket must be sealed with the supplied foam plug.*

Step 8 Attach slide cover with two (2) #6 screws.



CAUTION: Gasket must be set in place to provide scrub water seal.

Step 9 Installation complete.



CAUTION: Poke-Thru cannot be rotated in hole after inserted into floor.

The AMD8TC Series Poke-Thru Devices are UL Listed and Classified to U.S. and Canadian safety standards to the following conditions:

The AMD8STC Poke-Thru stem with the AMD8CTC service head fitting, the AMD8ATC factory assembled Poke-Thru device, and the AMD8APTC abandonment fitting are for use with 1, 1-1/2, or 2 hr rated unprotected reinforced concrete floors and 1, 1-1/2 or 2 hr rated floors employing unprotected steel floor units and concrete topping (D900-Series Designs), or concrete floors with suspended ceilings. (Fire resistive designs with suspended ceilings should have provisions for accessibility in the ceiling area below the Poke-Thru fittings).

The assembled Poke-Thru stem and service fitting or the abandonment fittings will not reduce the ratings of the floor assembly when the thickness and type of concrete (required for the specific rating) are within the specified limits and the fittings are installed as specified:

1. **– Spacing** – Minimum of 2' [610mm] OC and not more than one unit per 65 sq ft [6 sq. m] of floor area in each span.
2. **– Concrete** – Minimum thickness of structural concrete topping of 2 1/4" [57mm] over metal deck or a minimum 3 in. thick reinforced concrete slab. Unit weight of concrete to be 110 to 155 pcf.
3. **– Installation** – Mounted in a 4" [102mm] diameter core-drilled hole in concrete per installation instructions accompanying the fittings or abandonment fittings. For use with power circuits, date and/or telephone cables as tabulated below:

POKE-THRU FITTING TYPE	SERVICE FITTING TYPE	COMMUNICATION CONDUCTORS (A)
AMD8ATC series	–	69 (.0345 sq. in.) [22.259mm^2]
AMD8STC series	AM8CTC series	69 (.0345 sq. in.) [22.259mm^2]

The “TC” suffix letters indicate that device may be installed on tile or carpet covered concrete floors. All catalog numbers may have an “RT” suffix to indicate units supplied with Ortronics, Inc. communication modules and accessories.

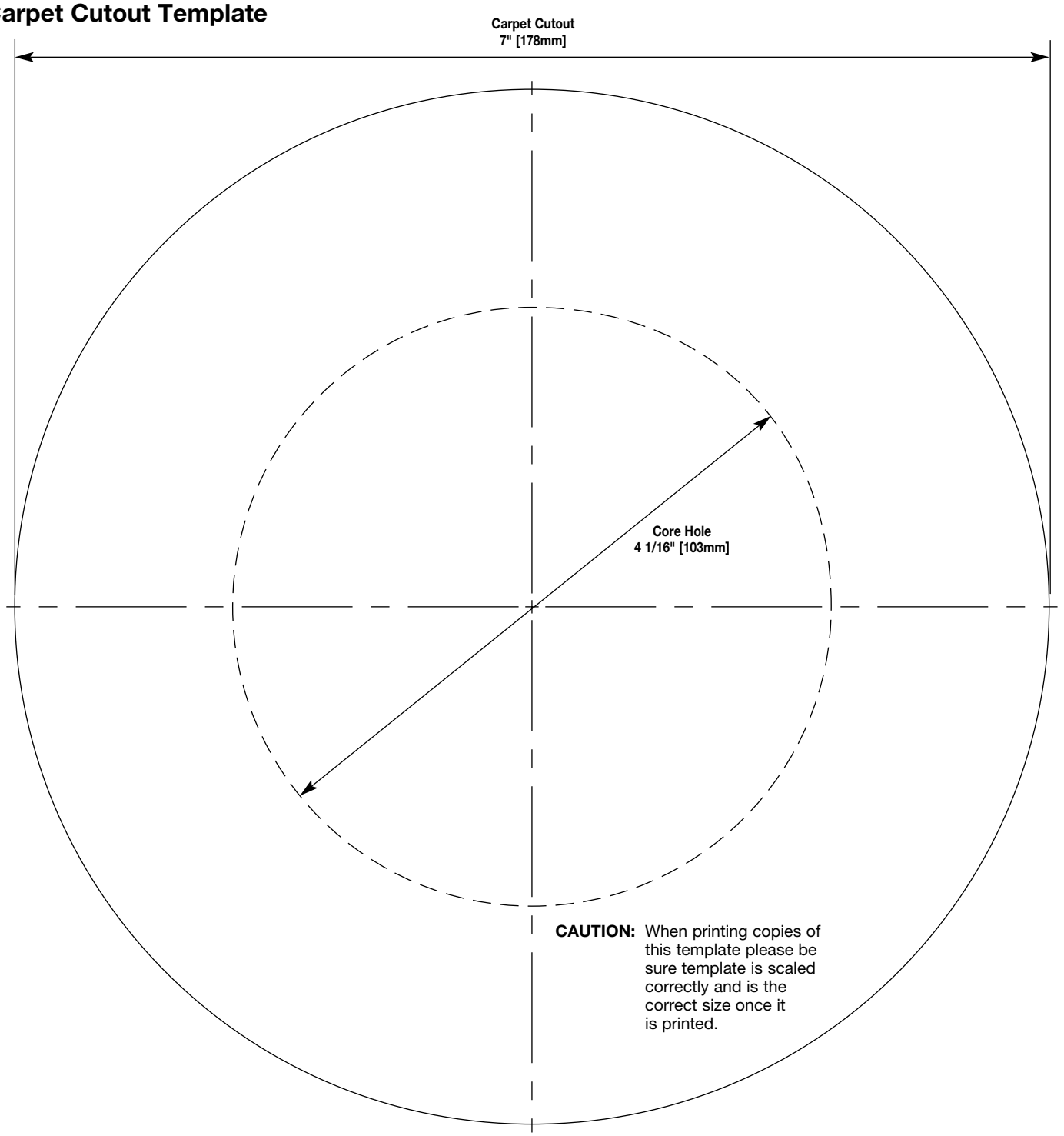
(A) Maximum number of 22 AWG conductors in low-voltage compartment of Poke-Thru fitting (4 pair cables have 8 conductors). When conductors larger than No. 22 AWG are used, the aggregate cross-sectional area of the copper conductors shall not exceed the aggregate cross-sectional area of the 22 AWG conductors permitted in the low-voltage compartment.

COPPER CROSS SECTIONAL AREA OF COMMONLY USED CONDUCTORS	
Conductor Size (AWG)	**Cross-Sectional Area of Conductor (sq. in.)**
#24	.00032 sq. in. [.20645mm^2]
#22	.00050 sq. in. [.32258mm^2]
#14	.00323 sq. in. [2.08386mm^2]
#12	.00512 sq. in. [3.30321mm^2]
#10	.00815 sq. in. [5.25805mm^2]
# 8	.01296 sq. in. [8.36127mm^2]

NOTE: *Use above values for solid or stranded conductors.*

FLOOR COVERINGS: The Poke-Thru device is fire rated for carpet or wood covered floors, tile floor coverings up to 3/4" [19.1mm] maximum thickness, and linoleum floor coverings up to a maximum 1/8" [3.2mm] thickness. For other floor coverings not listed above, consult factory.

Carpet Cutout Template



CAUTION: When printing copies of this template please be sure template is scaled correctly and is the correct size once it is printed.

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Walker® Infloor Systems

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