



Walker® Infloor Systems

881RC4

INSTALLATION INSTRUCTIONS

Walker® electrical systems conform to and should be properly grounded in compliance with requirements of the current National 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.

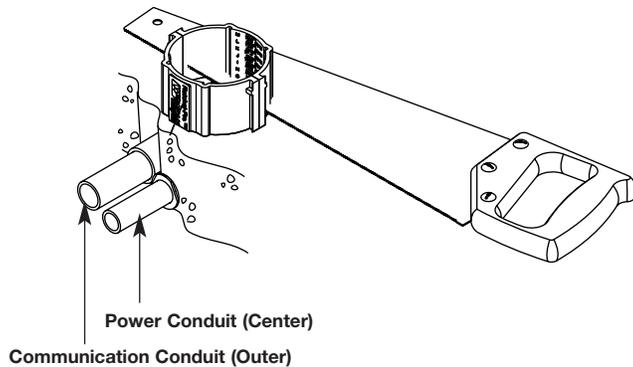
Products Covered: 881RC4

Step 1. Determine floor covering thickness.

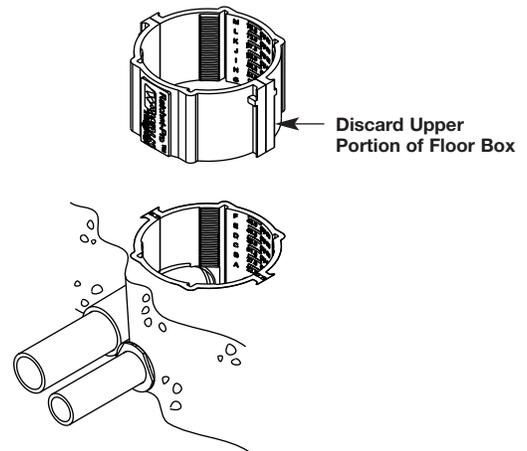
For floor coverings (carpet and tile) less than 3/8" [9.5mm]: Cut top of box off flush with concrete surface.

For floor coverings (carpet and tile) greater than 3/8" [9.5mm] but less than 3/4" [19.1mm]: Allow equivalent portion of box (floor covering thickness minus 3/8" [9.5mm]) to extend above concrete.

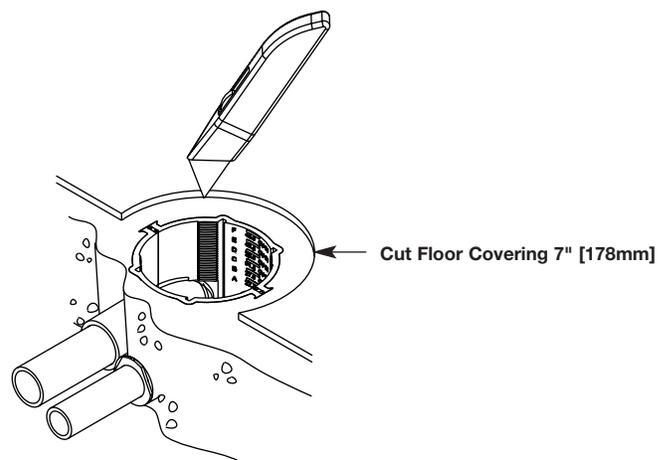
Consult factory if floor covering is greater than 3/4" [19.1mm].



Step 2. Remove top.

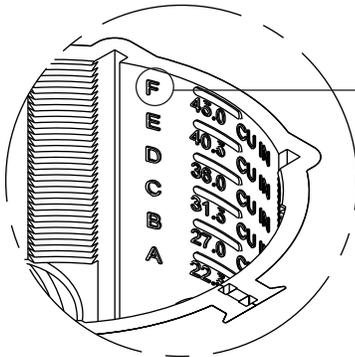


Step 3. Install floor covering. Cut circular opening concentric with exposed floor box opening. Use template on back page.

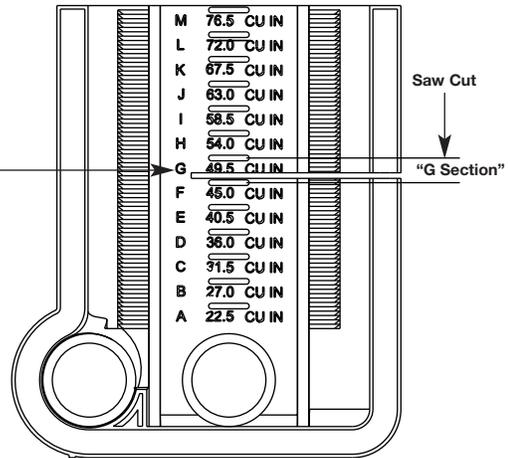


Step 4. Determine box height to calculate barrier score line. Determine the letter of the highest uncut section remaining in the side wall after the upper section is cut away. If any portion of the box extends above the highest graduation mark, make calculations based on the letter that appears below it.

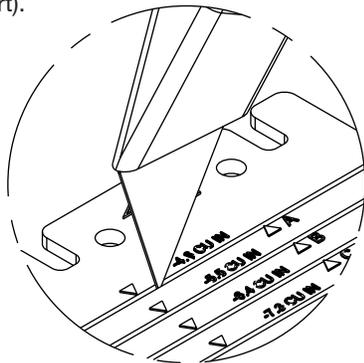
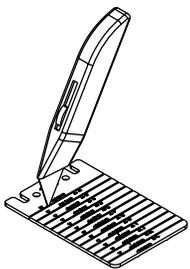
CAUTION: A portion of a letter may be visible in a partial section. Ignore letters in incomplete sections. Note the example shown.



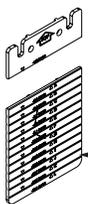
Example:
The box is actually cut in "G" section, however, "F" is the highest uncut section. Cut barrier to length based on "F" section directions.



Step 5. Cut divider at required score line (see reference chart).



Step 6. Separate barrier.



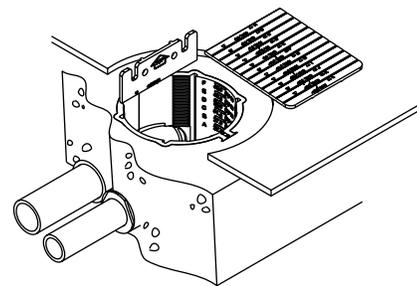
Discard Lower Portion

Example:
"F" cut in box requires divider to be cut on "A" score line.

Example Shown

Barrier Height Cross Reference Chart	
BOX LETTER (BELOW COMPLETE UNCUT GRADUATIONS)	CUT DIVIDER AT THIS LETTER
M (NOT CUT)	H
L	G
K	F
J	E
I	D
H	C
G	B
F	A
E	DO NOT USE IN CONCRETE POURS LESS THAN 4" [102MM]
D	
C	
B	
A	

Step 7. Insert upper portion of barrier in floor box adjacent to outer (communication) conduit.

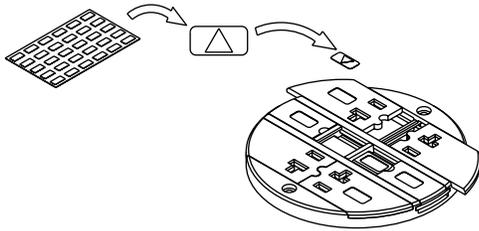


Actual distance between top of box (after cutting away excess) and top of divider is 2 3/8" [61mm]. If uncertain where to cut divider for regions between letters (through horizontal bar), cut divider to measure a minimum of 2 3/8" [61mm] below floor level. Can be slightly less if thick floor covering is used.

Step 8. Power Activation

This activation is prewired. Connect receptacle leads to circuit conductors with wire nuts or other approved methods.

Wire according to required configuration. See schematic below. If circuit is connected to an isolated ground, apply IG icon on receptacle slides as shown.



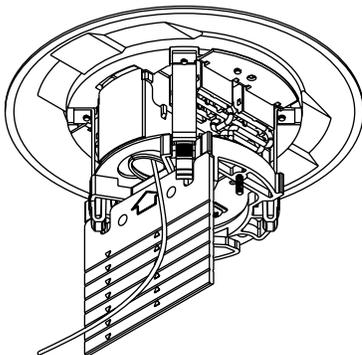
The orange triangle shall only be placed on devices that are wired for isolated ground (see NEC 250-146 (d)).

ELECTRICAL CONNECTIONS:

	Circuit "A"	Circuit "B"
Line	Black	Red
Neutral	White	White w/Blue Stripe
Ground	Green	Green w/Yellow Stripe

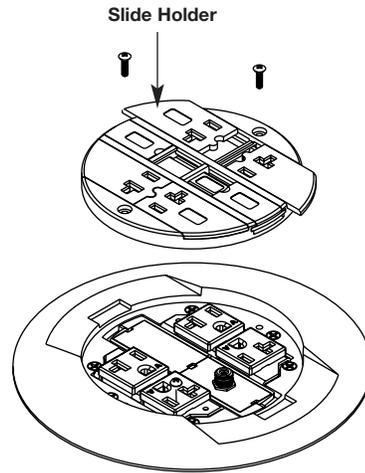
CAUTION: Receptacle mounting means not grounded. Grounding wire connection required. For isolated ground wiring, connect ground leads to a separate isolated grounding conductor. See NEC 250-164(d).

Step 10. Pull communication cable through cover as shown.



Step 9. Remove slide cover to access communication raceway.

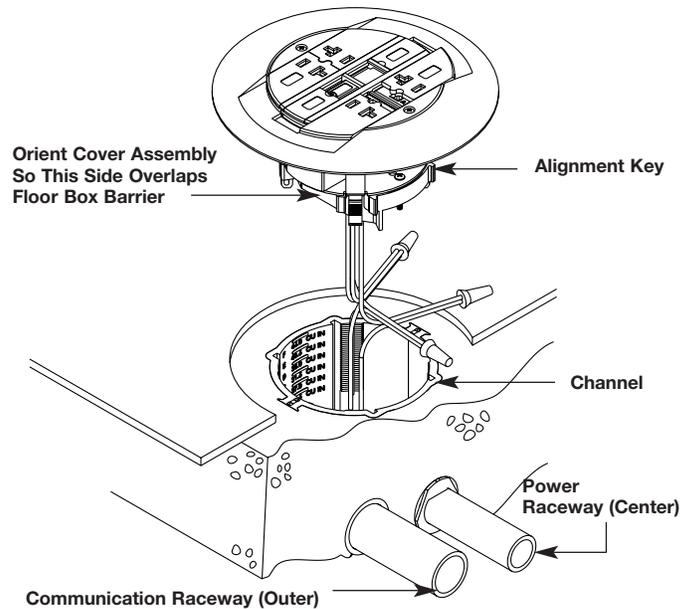
CAUTION: De-energize circuit if activated.



Step 11. Insert cover assembly into floor box opening. No glue required.

Orient alignment keys on adapter with channels in floor box and push downward. Cover assembly is secured in place with ratchet fingers.

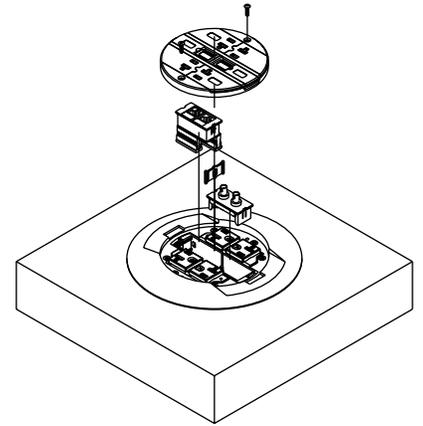
CAUTION: Opening on side of adapter must be positioned directly over the divided side of the floor box. This will allow the divider and adapter to overlap, maintaining passage of communication wiring and separation of services.



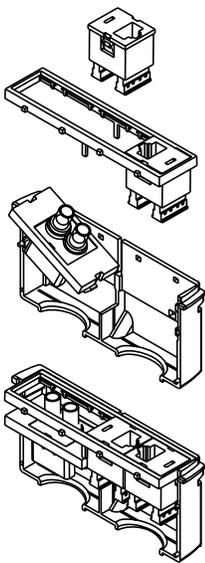
Step 12. Wire and install communication jacks as required using one of the following methods shown below.

Communication Connections:

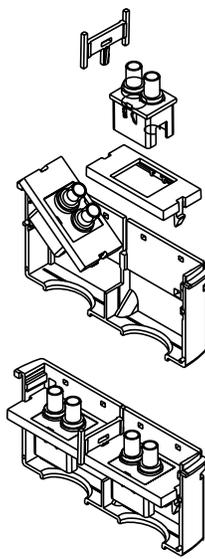
Communication inserts may be mounted either flush or recessed. Some inserts, such as fiber optic, must be mounted recessed in order for slides to close properly.



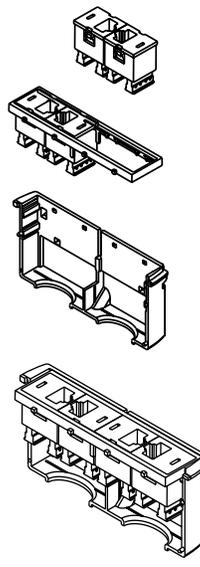
Ortronics® TracJack® Installation: Four Category 5e TracJack Modules



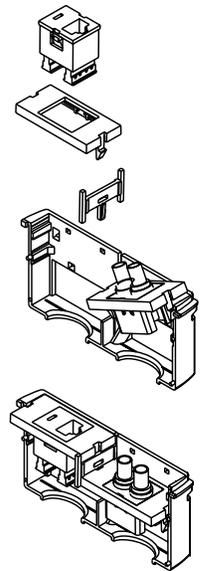
Combination



Both Recessed



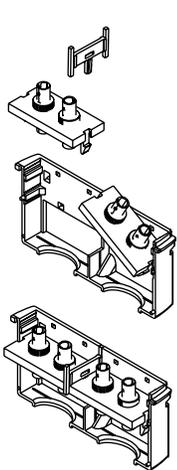
Both Flush



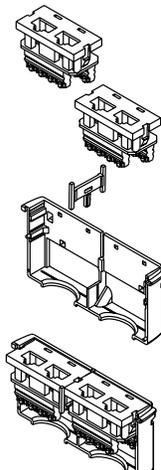
Recessed/Flush

Ortronics Series II Installation:

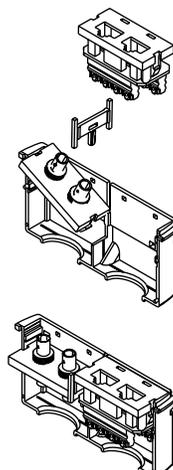
Important: Series II Modular Inserts not included, sold separately.



Both Recessed



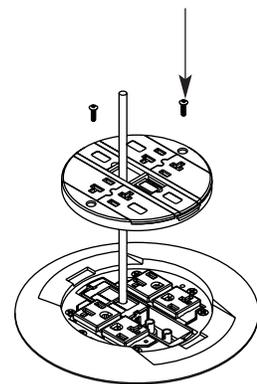
Both Flush



Recessed/Flush

Step 13. Reattach side cover with two #6-32 screws.

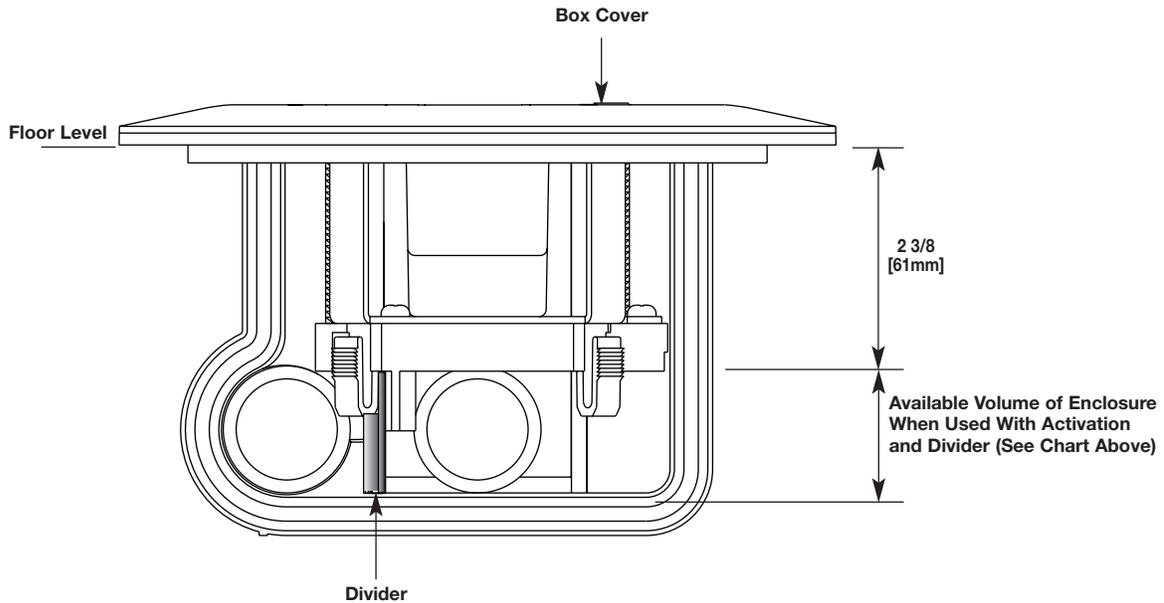
Slide Cover Mounting Screws Two #6-32



WIRE FILL CAPACITY CHART

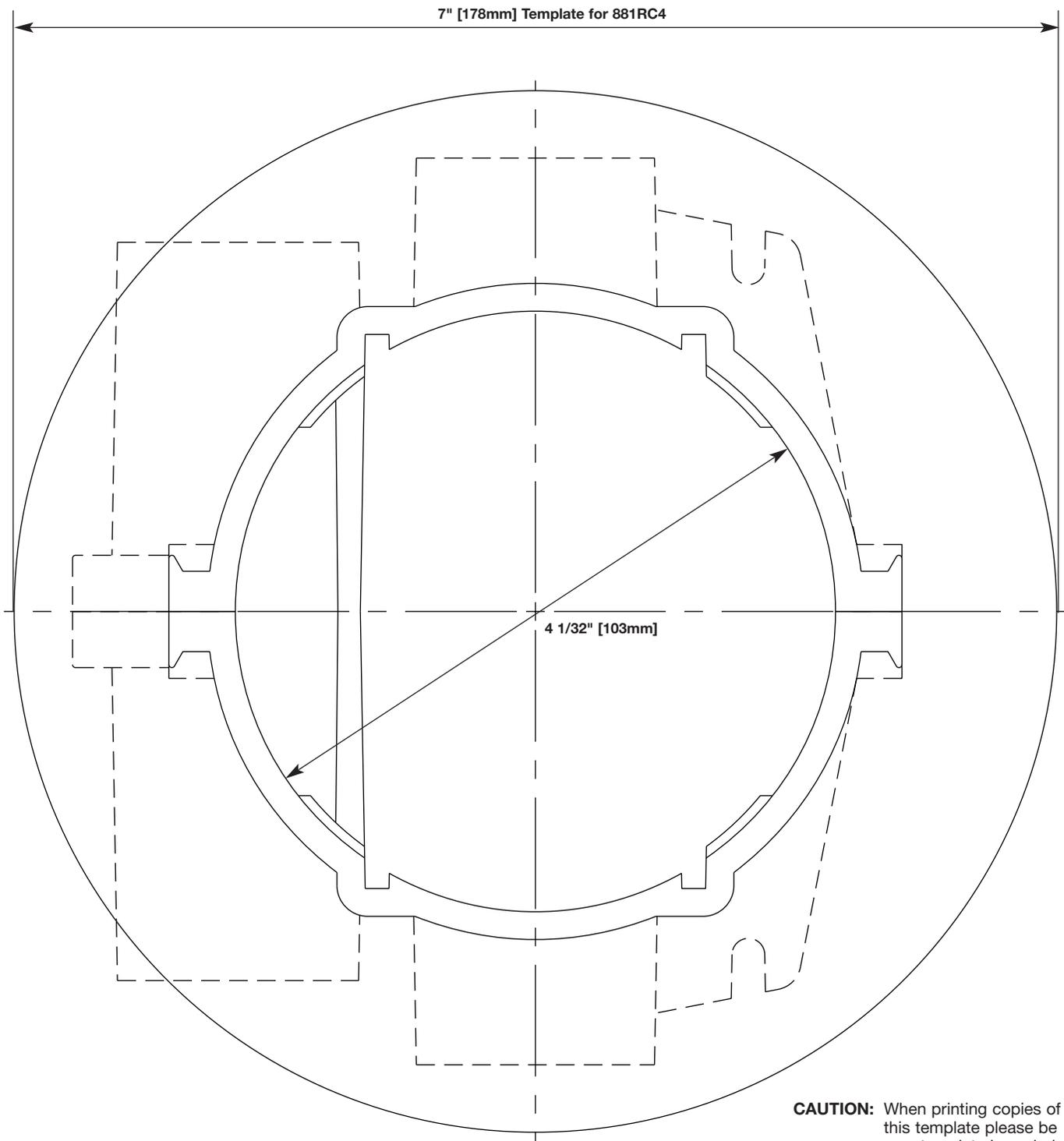
LETTER (BELOW COMPLETE UNCUT GRADUATION)	CUT DIVIDER AT THIS LETTER	VOLUME INDICATED BY FLOOR BOX		AVAILABLE VOLUME OF ENCLOSURE WHEN USED WITH ACTIVATION AND DIVIDER		EXTERIOR HEIGHT OF BOX (In.)	
		Cu In.	ml	Cu In.	ml	Max.	Min.
M (Not Cut)	H	76.5	1254	39.5	647	6 7/16	
L	G	72.0	1180	35.9	588	6 7/16	6 1/16
K	F	67.5	1106	32.3	529	6 1/16	5 3/4
J	E	63.0	1032	28.7	470	5 3/4	5 3/8
I	D	58.5	959	25.1	411	5 3/8	5
H	C	54.0	885	21.5	352	5	4 11/16
G	B	49.5	811	17.9	293	4 11/16	4 5/16
F	A	45.0	737	13.4	220	4 5/16	3 15/16
E	DO NOT USE IN CONCRETE POURS LESS THAN 4" [102MM]* *CAUTION: Installation must comply with NEC and local code conductor volume requirements. Available volume for a dual service installation at 4" [102mm] is 13.4 cu in. [220ml]. Minimum height of box should be based on necessary wire fill requirements.					3 15/16	3 5/8
D						3 5/8	3 1/4
C						3 1/4	3
B						3	2 9/16
A						2 9/16	2 3/16

- To calculate box fill capacity, use the displacement of the largest uncut section remaining.
- The distance between the box cover to the top of the divider is 2 3/8" [61mm]. If uncertain which score line to use to cut the divider, measure a minimum of 2 3/8" [61mm] below floor level to the top of the divider. This measurement can be slightly less if a thick floor covering is used.



CAUTION: Receptacle supplied with this floor box activation is not suitable for direct field wiring. Contact manufacturer for replacement. Field modifications will void UL Listing. Replacement receptacle is limited to this manufacturer's Catalog No. RC4AB20-R for circuit "A" and RC4B20-R for circuit "B".

Carpet/Tile 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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