

WIREMOLD



DS4000 Downward Facing Activation Plates

INSTALLATION INSTRUCTIONS

Installation Instruction No.: 43426 – December 2005

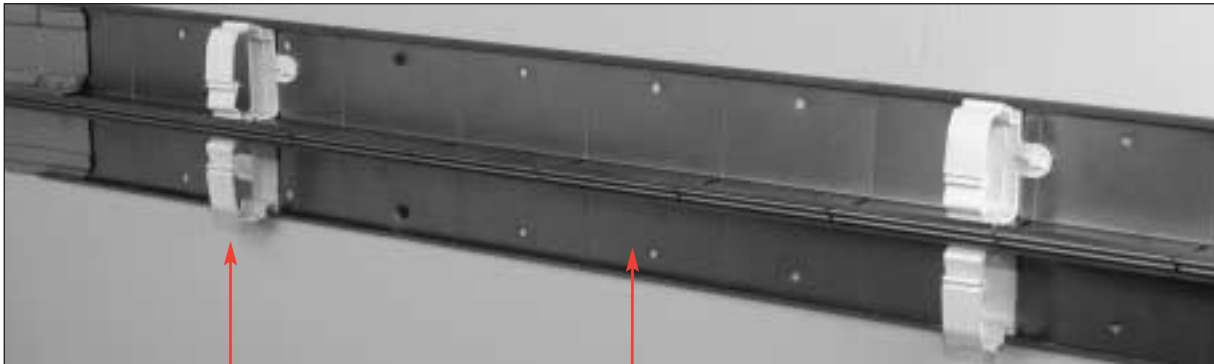
Wiremold / Legrand Electrical Systems conform to and should be installed and properly grounded in compliance with requirements of the current National Electrical Code, Canadian Electrical Code, or codes administered by local authorities.

All electrical products may represent possible shock or fire hazard if improperly installed or used. Wiremold electrical products are UL listed to U.S. and Canadian safety standards, made for interior use only, and should be installed in conformance with current local and/or the National Electrical Code.



Products Covered: DSDWNR, DSDWND, DSDWNX

Step 1. Identify the locations along the DS4000 Series Raceway Base where activations are needed.



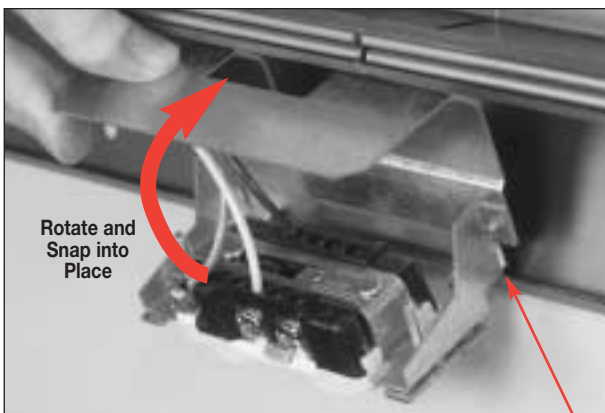
DS4000WC Wire Management Clips
(included with DS4000 Series Raceway Base).

Installed DS4000 Raceway Base

For installation of Downward Facing Devices (DSDWND, DSDWNR) fed from the lower channel of DS4000 Raceway:

Step 2. Wire Device and attach to Bracket. Snap into place as shown.

Step 3.



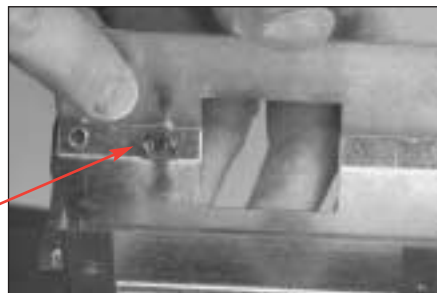
Rotate and
Snap into
Place



Tighten

Hook

A #10-32 Ground
Screw is provided on
all device brackets.



For more information, visit www.wiremold.com/ds4000.

To install Downward Facing Devices (DSDWND or DSDWNR) fed from the top channel of DS4000 Raceway, use part no. DSDWNX.

Step 1. Remove Knockout and install Grommet.



Remove Knockout.



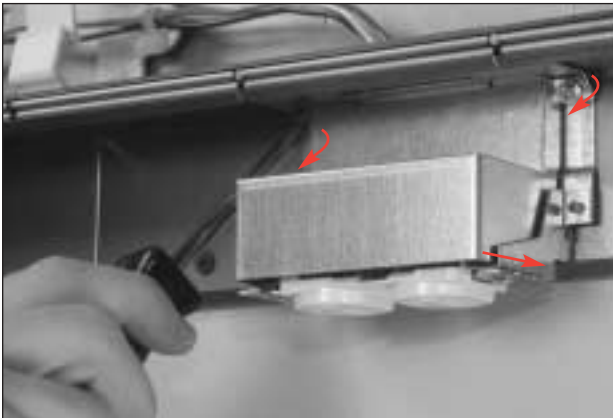
Install supplied Grommet.

Step 2. Install Bracket with wired device.



Mount Bracket in lower channel with Screws removed.

Step 3.



Place Bypass Shroud over wired Device. Insert Screws through holes and into Mounting Bracket. Tighten to secure.

Step 4.

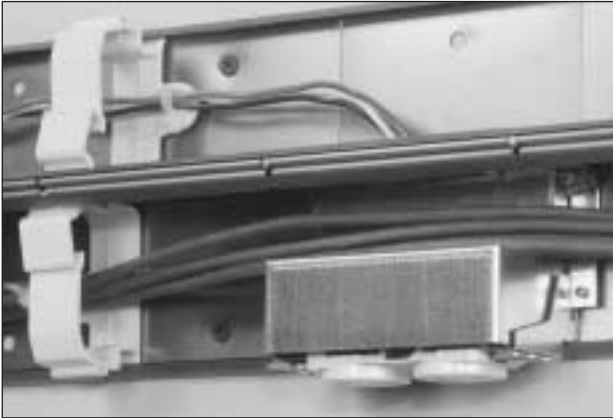


Communication cables can now safely transition over power device.

Shroud Configurations:

Configuration A

Bypass with Low Profile Shroud. Recommended for Receptacles and shallow Communication Devices.



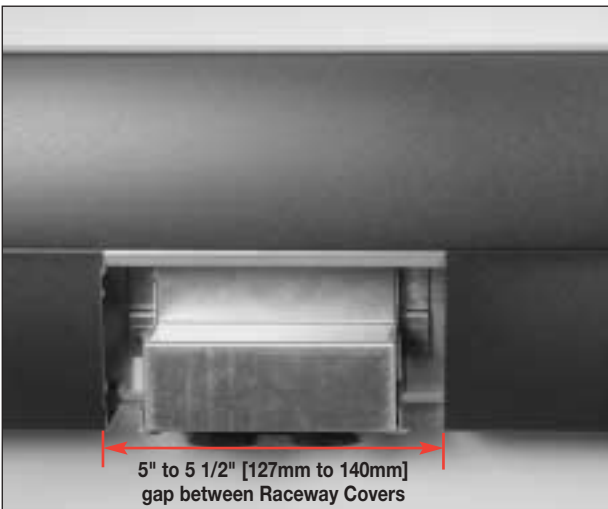
Configuration B

Bypass with Standard Shroud. Recommended for most Communication Devices.

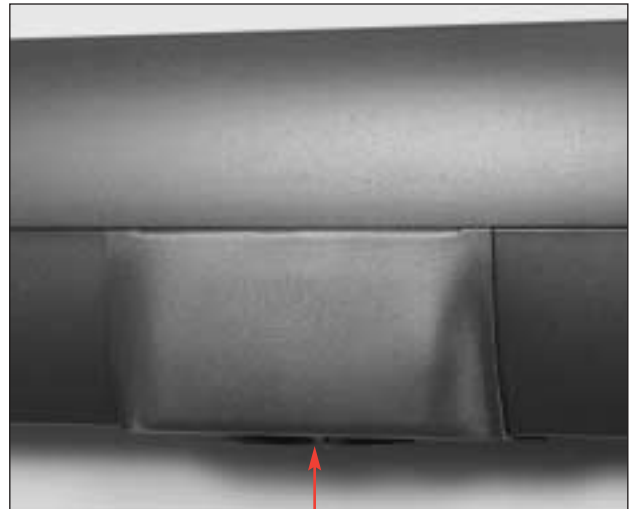


Cover Installation:

Step 1. With Raceway Covers installed



Step 2. Snap on Cover and secure with Screw to complete installation.



Secure Cover in place with Screw.

Note: *Downward Facing Device Plates containing electrical receptacles should be installed in compliance with National and Local Electrical Codes. Check with your local Authority Having Jurisdiction (AHJ) regarding approval of Downward Facing Electrical Devices before installation.*

Note: *Low Voltage Devices, such as communication jacks may be placed in an upward position.*

DS4000 Raceway Wire Fill Capacities for Power

WIRE SIZE THHN/THWN	O.D. Inches	[mm]	40% FILL W/DOWNWARD ACTIVATION CROSSOVER – DSDWNX
14 AWG	0.111	[2.8]	24
12 AWG	0.130	[3.3]	17
10 AWG	0.164	[4.2]	11
8 AWG	0.216	[5.5]	6
6 AWG	0.254	[6.5]	5

DS4000 Raceway Wire Fill Capacities for Communication

CABLE TYPE	CATEGORY/ DESIGNATION	O.D. O.D.	AREA	40% FILL W/DOWNWARD ACTIVATION CROSSOVER – DSDWNX
UNSHIELDED TWISTED PAIR	2-pair, 24 AWG	0.150	0.018	60
	4-pair, 24 AWG Cat 3	0.190	0.028	37
	4-pair, 24 AWG Cat 5e	0.210	0.035	31
	4-pair, 24 AWG Cat 6	0.250	0.049	22
	4-pair, 24 AWG Cat 6a*	0.354	0.098	11
	25-pair, 24 AWG	0.360	0.102	10
COAXIAL	RG6/U	0.270	0.057	19
FIBER	2 Strand (ZipCord)	0.118 x 0.236	0.028	38
	Round 4 Strand Fiber	0.187	0.027	39
	Round 6 Strand Fiber	0.256	0.051	21

* Category 6 Augmented (6A) cable for 10 gigabit ethernet – max allowed cable diameter per Addenda No. 11 ANSI/TIA-568-B.2. For additional information, refer to the Technical Section of the quick selection guide at www.wiremold.com or the current version of the Wiremold Buyer's Guide (ED439).

For more information, visit www.wiremold.com/ds4000.

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