Select a Terminal Base Assembly

Step 3 - Select:

- the appropriate terminal base unit for your module

The POINT I/O system follows a No Tools design approach. The I/O mounting base, removable terminal block (RTB), and I/O module may be assembled as a system without tools.

Terminal Base Assembly

The POINT I/O mounting base mounts directly on the DIN-rail, either vertically or horizontally, and forms the interconnect for the POINTBus backplane communication and field power-bus distribution. The mechanical keying of the mounting base prevents incorrect module placement. The I/O mounting base and removable terminal block are sold together (pre-assembled) as a single unit called a Terminal Base Assembly.

The pins on the 1734-TB terminal base assembly are independent of each other. The connections for the 1734-TB and 1734-TB3 are determined by the 1734 module being used.

Terminal Base Pins

1734-TB, -TBS, -TOP, -TOPS   1734-TB3, -TB3S, -TOP3, -TOP3S

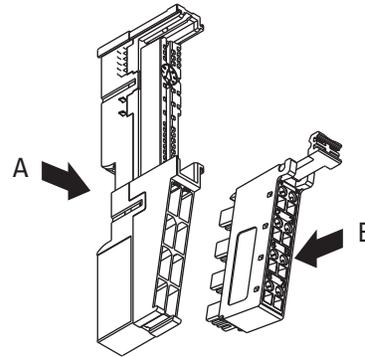| 0	1
2	3
4	5
6	7

45217

0	1
2	3
4	5
6	7
8	9
10	11

45218

Pins 4, 5, 8, and 9 are connected together.
Pins 6, 7, 10, and 11 are connected together.

Each assembly includes a removable terminal block (RTB) provides 8 or 12 separate terminal locations for field wiring. The RTB also provides vertical access to wire and screw terminations. A separate terminal point is provided for each wire, including a shield ground terminal point for 2-point analog modules.

POINT I/O Removable Terminal Base Assembly

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Each terminal base assembly includes a base (A) that mounts onto the DIN-rail and a removable terminal block (B) for I/O wiring.

Once the RTB is wired properly, you never need to rewire terminations. The RTB separates independently of the I/O mounting base and I/O module to facilitate rapid installation and commissioning of the system. Each terminal is numbered on the bottom of the RTB to simplify troubleshooting during commissioning or maintenance cycles. Spare or replacement RTBs can be ordered separate from the terminal base assembly.
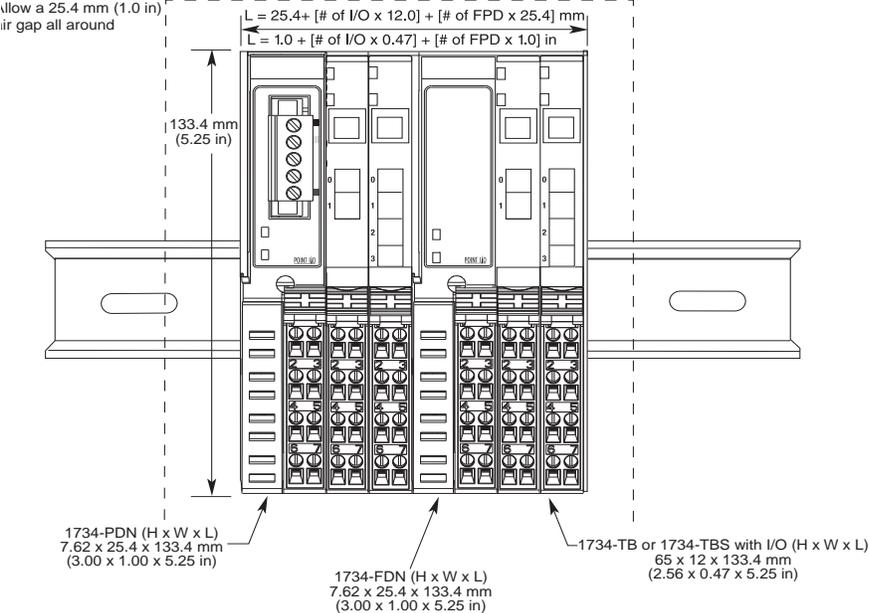
Terminal Base Assemblies

Terminal Base Assembly Cat. No.	Description	Terminal Base Screw Torque	Replacement RTB Cat. No.
1734-TB	Mounting base with 8-terminal cage-clamp RTB	0.6 Nm (7 lb-in)	1734-RTB
1734-TBS	Mounting base with 8-terminal spring-clamp RTB		1734-RTBS
1734-TB3	Mounting base with 12-terminal cage-clamp RTB		1734-RTB3
1734-TB3S	Mounting base with 12-terminal spring-clamp RTB		1734-RTB3S
1734-TBCJC[1]	Mounting base with cold-junction compensation RTB	0.5…0.6 Nm (5…7 lb-in)	1734-RTBCJC[1]

[1]   For use with the 1734-IT2I thermocouple input module.

Approximate Mounting Dimensions

POINT I/O with 1734-PDN Mounting Dimensions

Allow a 25.4 mm (1.0 in)
air gap all around

L = 25.4+ [# of I/O x 12.0] + [# of FPD x 25.4] mm
L = 1.0 + [# of I/O x 0.47] + [# of FPD x 1.0] in

133.4 mm
(5.25 in)

1734-PDN (H x W x L)
7.62 x 25.4 x 133.4 mm
(3.00 x 1.00 x 5.25 in)

1734-FDN (H x W x L)
7.62 x 25.4 x 133.4 mm
(3.00 x 1.00 x 5.25 in)

1734-TB or 1734-TBS with I/O (H x W x L)
65 x 12 x 133.4 mm
(2.56 x 0.47 x 5.25 in)

IMPORTANT When mounting the 1734-IB8S, 1734-OB8S, and 1734-IE4S modules, ensure that there is 2 in. of clearance space above the POINT rail.