1734 POINT I/O

Terminal Base Assemblies and RTBs

A Terminal Base Assembly consists of a POINT I/O mounting base and a separate removable terminal block (RTB) that plugs into the mounting base. The base mounts directly on the DIN rail, either vertically or horizontally, and includes user-selectable mechanical keying to prevent incorrect I/O module placement. The RTB plugs into the mounting base and provides the terminal locations for field wiring. It also provides vertical access to wire and screw terminations. The I/O module plugs into the mounting base above the RTB. The RTB separates independently from the mounting base and I/O module to facilitate rapid installation and commissioning of the system. Spare or replacement RTBs can be ordered separate from the terminal base assembly.

Alternatively, a POINT I/O one-piece mounting base, which includes integrated terminal locations, is also available. The I/O module plugs into the one-piece mounting base.

Terminal Base Assemblies

Cat. No.	Description	Number of Terminals	Termination Type
1734-TB	Two-piece terminal base assembly. Includes a POINT I/O mounting base and separate RTB.	8	Screw-clamp
1734-TBS		8	Spring-clamp
1734-TB3		12	Screw-clamp
1734-TB3S		12	Spring-clamp
1734-TBCJC‡		Cold-junction compensation wiring base assembly	Screw-clamp
1734-TOP	One-piece POINT I/O mounting base with integrated terminal locations.	8	Screw-clamp
1734-TOPS		8	Spring-clamp
1734-TOP3		12	Screw-clamp
1734-TOP3S		12	Spring-clamp

‡ Use the cold-junction compensation wiring base assembly with the 1734-IT2I thermocouple input module.

Removable Terminal Blocks

Use this table to select spare or replacement RTBs.

Cat. No.	Description	Field Power Supply Voltage Range	Field Power Supply Current, Max.	Wire Size	Wiring Category	Terminal Base Screw Torque
1734-RTB	8-terminal screw-clamp RTB	24V DC, 120/240V AC	10 A	14 AWG (2.5 mm2) ... 22 AWG (0.25 mm2) solid or stranded wire rated at 75 ˚C or higher; 3/64 in (1.2 mm) insulation max.	2 ‡	0.6 N•m (7 lb•in)
1734-RTBS	8-terminal spring-clamp RTB					
1734-RTB3	12-terminal screw-clamp RTB					
1734-RTB3S	12-terminal spring-clamp RTB					
1734-RTBCJC	Cold-junction compensation RTB, screw-clamp					0.5...0.6 N•m (5...7 lb•in)

∗ Use the 1734-RTBCJC cold-junction compensation RTB with the 1734-IT2I thermocouple input module.
‡ Use this conductor category information for planning conductor routing. Refer to publication 1770-4.1, "Industrial Automation Wiring and Grounding Guidelines."

Termination Modules

The POINT I/O Common Terminal Module and Voltage Terminal Module provide expansion of the termination capability of POINT I/O. The modules support higher density (8 channel) POINT I/O modules and management of wiring of field devices to the POINT I/O solution.

Cat. No.	Description	Quantity
1734-CTM	Common Terminal Module. Single-slot 12 mm wide Common Terminal Modules.	10
1734-VTM	Voltage Terminal Module. Single-slot 12 mm wide Voltage Terminal Modules.	10

Cat. No.	Keyswitch Position	Isolation Voltage	Field Power Supply Voltage Range	Field Power Supply Current, Max.
1734-CTM	5	250V (continuous), Basic Insulation Type Type tested at 1600V DC for 60 s, field-side to system	10...28.8V DC, 120/240V AC	2 A per point, 4 A module
1734-VTM				