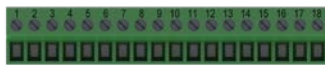# Wiring I/O Modules

Wiring Methods

There are two available methods for wiring most I/O modules: The ZIPLink wiring system (See page following), or hand wiring to the optional Removable Terminal Blocks.
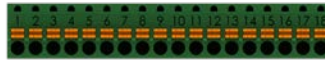
Removable Terminal Blocks

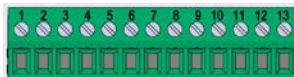For most I/O modules you can purchase a removable terminal block (p/n shown below).

Note: Thermocouple and RTD modules are not compatible with the ZIPLink system and are shipped with the optional terminal blocks included.
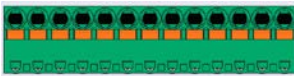
Removable Terminal Block: p/n P2-RTB

Removable Terminal Block: p/n P2-RTB-1

Removable Terminal Block: p/n P2-RTB13

Removable Terminal Block: p/n P2-RTB13-1

Removable Terminal Block Specifications		
Part Number	**P2-RTB**	**P2-RTB-1**
Price	$9.75	$9.75
Number of positions	18 screw terminals	18 push release terminals
Wire Range	30–16 AWG (0.051–1.31 mm²) Solid/stranded conductor 3/64 in (1.2 mm) insulation max. 1/4 in (6–7 mm) strip length	28–16 AWG (0.081–1.31 mm²) Solid/stranded conductor 3/64 in (1.2 mm) insulation max. 19/64 in (7–8 mm) strip length
Conductors	USE COPPER CONDUCTORS, 75ºC or equivalent.	
Screw Driver Width	0.1 in. (2.5 mm) maximum	N/A
Screw Size	M2	N/A
Screw Torque	2.5 lb·in (0.28 N·m)	N/A

* Recommended screw driver: P/N TW-SD-MSL-1.

Removable Terminal Block Specifications		
Part Number	**P2-RTB13**	**P2-RTB13-1**
Price	$11.50	$11.50
Number of positions	13 screw terminals	13 push release terminals
Wire Range	24–12 AWG (0.25–4 mm²) Solid/stranded conductor 3/64 in (1.2 mm) insulation max. 3/8 in (9–10 mm) strip length	
Conductors	USE COPPER CONDUCTORS, 75ºC or equivalent.	
Screw Driver Width	0.13 in. (3.5 mm) maximum	N/A
Screw Size	M2.5	N/A
Screw Torque	4.4 lb·in (0.5 N·m)	N/A

* Recommended screw driver: P/N TW-SD-MSL-1.

Terminal Block Removal

Removable Terminal Blocks fit firmly into the I/O module terminal recess. To remove, firmly grasp the removable terminal block and wiggle side to side while pulling away from the module.