

ControlEdge Remote Termination Panel (RTP) For Analog Inputs: 900RTA-L001

Document Number: 51-52-33-134

Effective: November 2019 Supersedes: January 2018

Summary

Remote Termination Panels (RTP) provide an easy way to connect I/O modules to field wiring. RTPs integrate typical externally connected components, reducing wiring and setup time.

It also minimizes the need for multiple wires under a single screw connection by expanding the shared terminals of the I/O module. RTPs comply with the RoHS 2 directive and have conformal coating to sustain in G3 environments.

RTPs are not usable for thermocouples.

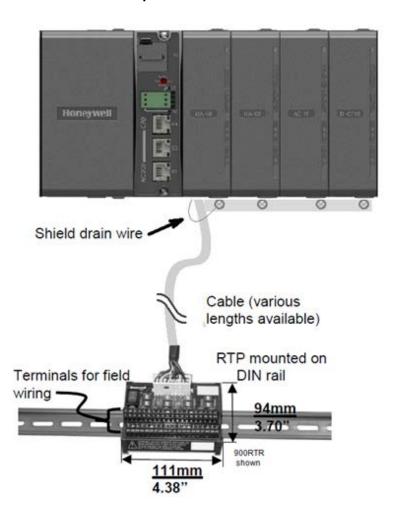
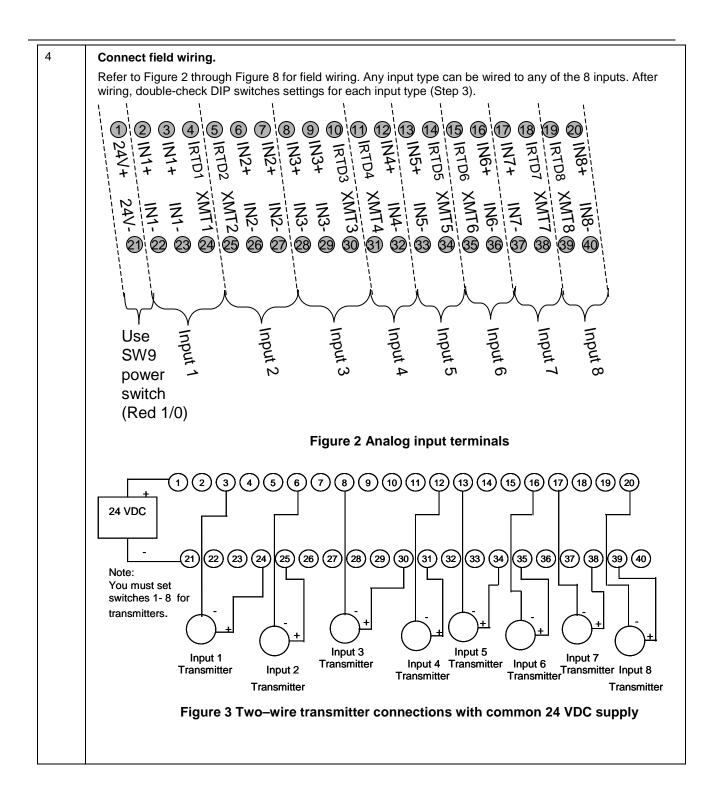


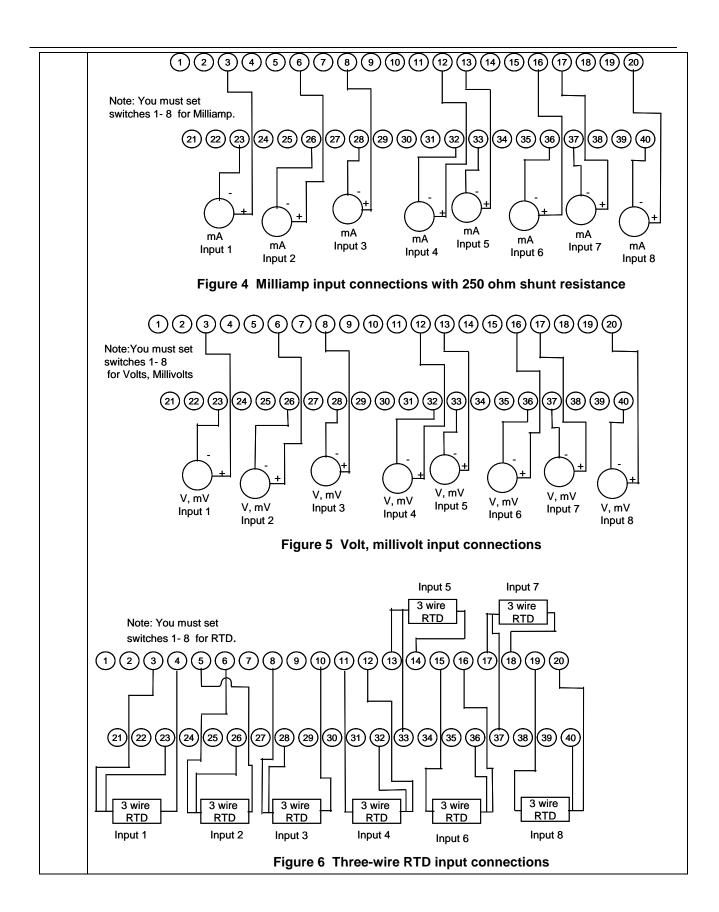
Figure 1 Example Installation

8 Point	t Analog Input					
Step	Action					
1	ATTENTION: RTP is not for use with thermocouples.					
	ATTENTION: RTP and cables are intended for permanent installation within their own enclosure.					
	Mount RTP cable assembly to 900 platform Controller (Figure 1).					
	 Remove appropriate key tabs from terminal block to allow mating with the module. For more det refer to the Installation and User manual (51-52-25-154). 					
	Connect desired cable to AI module at controller. Choose from:					
	900RTC-L210 Remote Terminal Low Voltage Cable Assembly, 1.0 meters long					
	900RTC-L225 Remote Terminal Low Voltage Cable Assembly, 2.5 meters long.					
	900RTC-L250 Remote Terminal Low Voltage Cable Assembly, 5.0 meters long					
	Install Al module label onto the module connector cover.					
	 Connect shield drain wire to the grounding bars at the base of the IO rack. All field-wiring shields must be grounded. For more details on shields grounding, refer to the section "Shield Grounding" ir the Installation and User manual (51-52-25-154). 					
2	Mount RTP to DIN rail.					
	Latch to rail. See page 8.					
	Connect cable to RTP.					
3	Set DIP switch positions SW1 through SW8.					
	Set each input's DIP switch positions according to the input type. For Input n use Switch n. For example, for Input 1 use Switch 1, for Input 2 use Switch 2, etc. If an input is not used, set its DIP switch positions to OFF.					
	TB1 SW9					
	Volt, millivolt: Ohms: Transmitter: Loop powered > > > > > > > > > > > > >					
	Milliamp: Externally powered RTD: Notice the red power switch for 24 yelt cumply. Mediule PILIP is not offected by uning the PTP.					
	SW9 is the red power switch for 24 volt supply. Module RIUP is not affected by using the RTP. See page 7 for RTP internal schematic.					

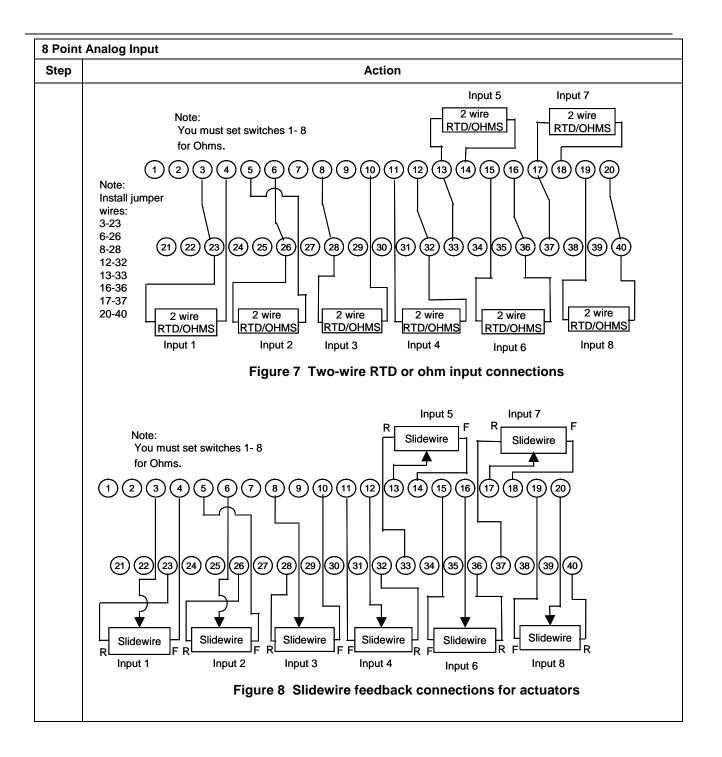
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RTP Cable wire positions and colors

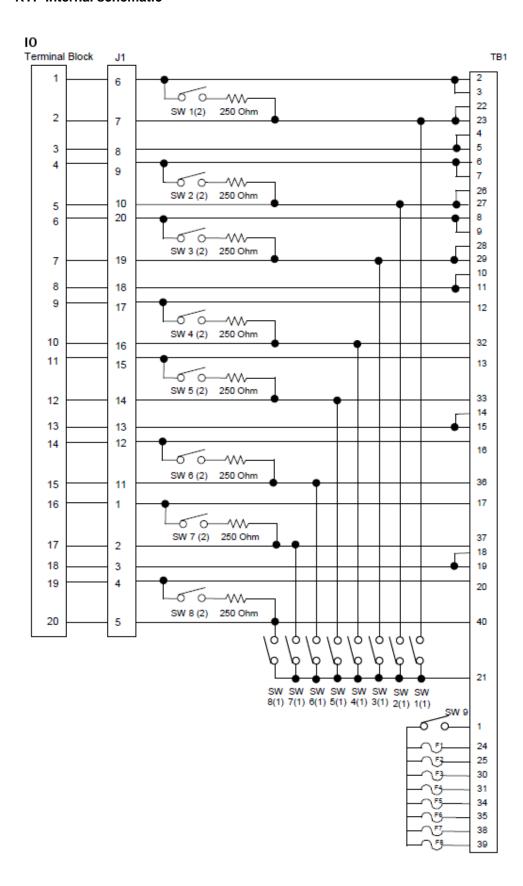
Twisted Pair Number	ControlEdge HC900 Module TB Position	RTP J1 Plug Connector	Color
1	1	6	Black
	2	7	Red
2	4	9	Black
	5	10	White
3	6	20	Black
	7	19	Green
4	9	17	Black
	10	16	Blue
5	11	15	Black
	12	14	Yellow
6	14	12	Black
	15	11	Brown
7	16	1	Black
	17	2	Orange
8	19	4	Red
	20	5	White
9	3	8	Red
	8	18	Green
10	13	13	Red
	18	3	Blue

Accuracy specification

Range	Al Module Accuracy	RTP + Cable Accuracy	Al Module + RTP Accuracy
100Ω Plat. RTD	±0.1% of Range	±0.04% Range (0.357°C)	±0.14% of Range
JIS RTD	±0.1% of Range	±0.12% Range (0.824°C)	±0.22% of Range
10Ω Cu. RTD	±0.1% of Range	±0.57% Range (1.540°C)	±0.67% of Range
200Ω OHMS	±0.1% of Range	±0.07% Range (0.140Ω)	±0.17% of Range
0-10mV LINEAR	±0.1% of Range	±0.04% Range (0.004mV)	±0.14% of Range

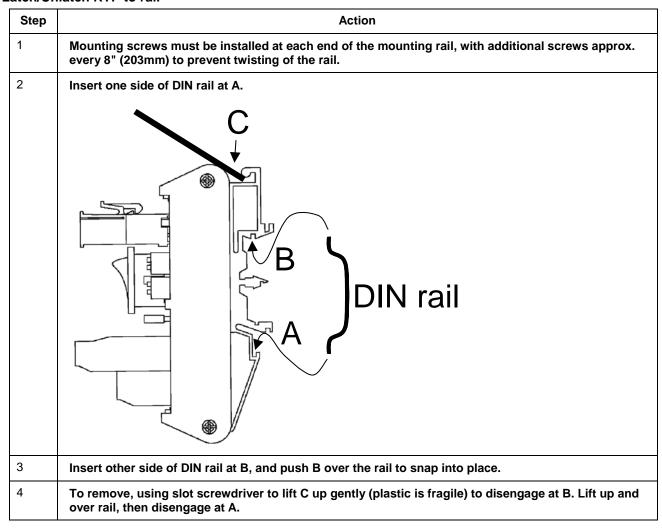
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RTP Internal schematic



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Latch/Unlatch RTP to rail



Warranty/Remedy

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While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Sales and Service

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