

## ControlEdge Remote Termination Panel (RTP) For Relay Outputs: 900RTR-H001

Document Number: 51-52-33-135

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.

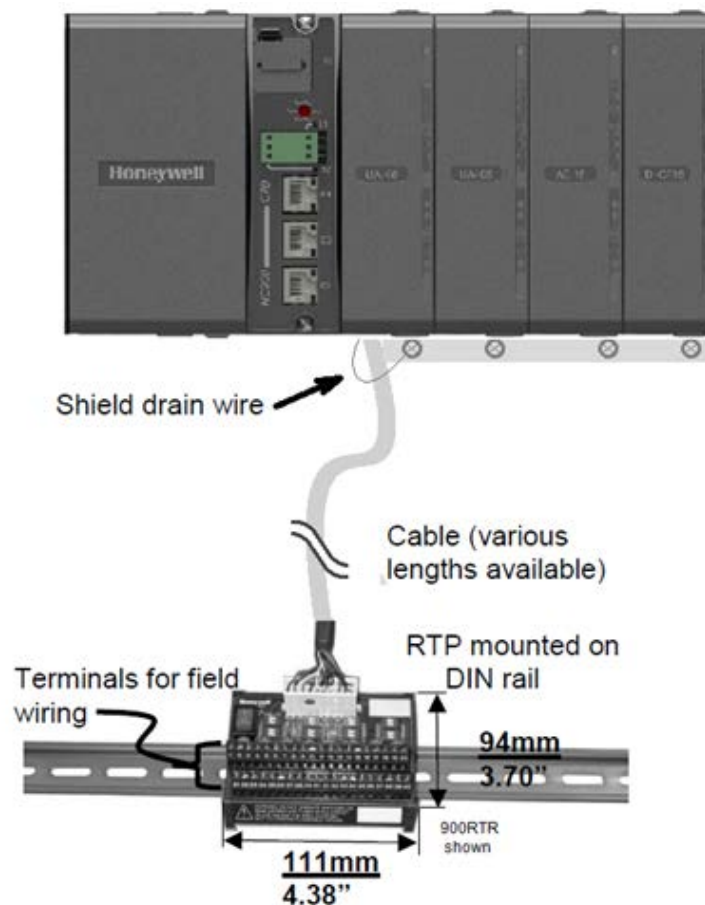
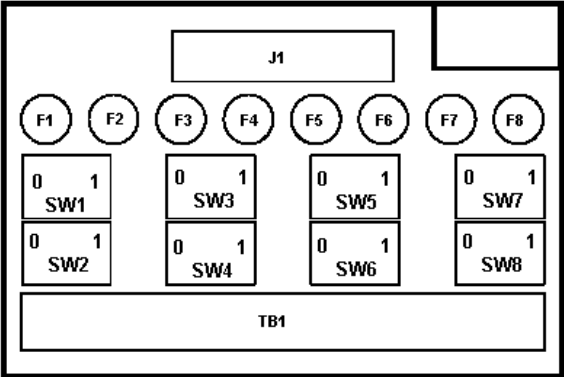
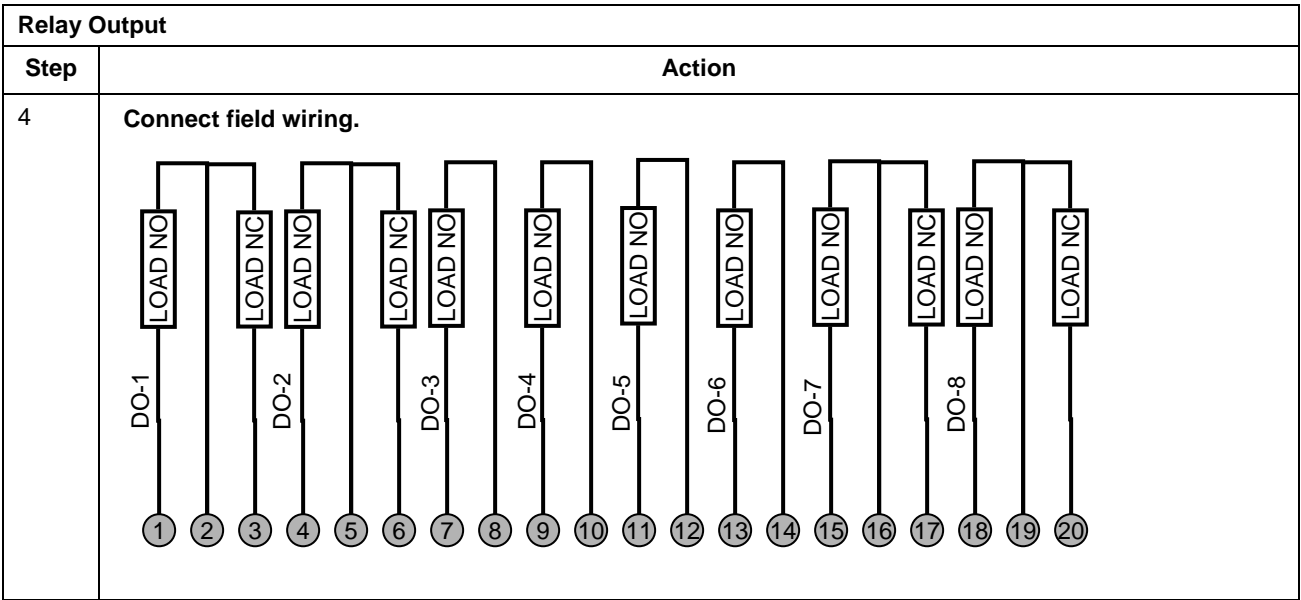


Figure 1 Example Installation

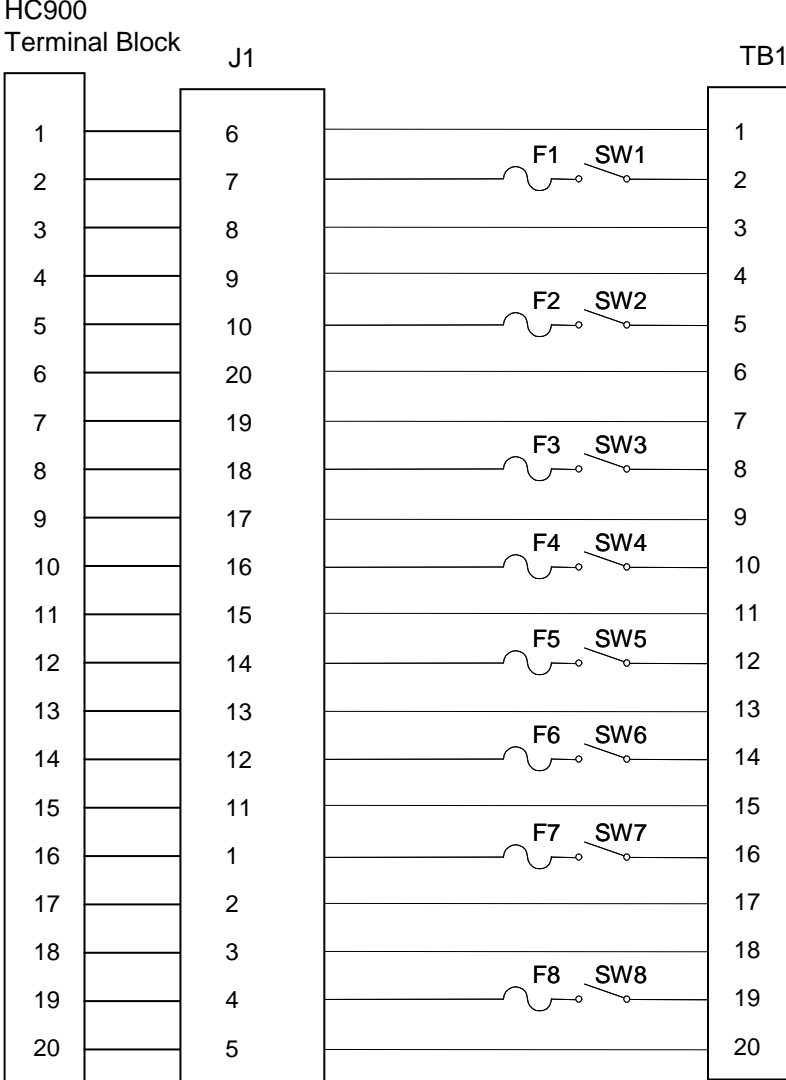
Relay Output	
Step	Action
1	<p><b>ATTENTION: RTP and cables are intended for permanent installation within their own enclosure. Mount RTP cable assembly to 900 platform (Figure 1).</b></p> <ul style="list-style-type: none"> <li>Remove appropriate key tabs from terminal block to allow mating with the module. For more details refer to the Installation and User manual (51-52-25-154).</li> <li>Connect desired cable to relay output module at controller. Choose from: <ul style="list-style-type: none"> <li>900RTC-H210 Remote Terminal High Voltage Cable assembly, 1.0 meters long</li> <li>900RTC-H225 Remote Terminal High Voltage Cable assembly, 2.5 meters long</li> <li>900RTC-H250 Remote Terminal High Voltage Cable assembly, 5.0 meters long</li> </ul> </li> </ul> <p><b>ATTENTION:</b>  <b>Cable power is limited to 24 Amps per module at 60C (140 degrees F) and 32 Amps at 54C (129 degrees F).</b></p> <ul style="list-style-type: none"> <li>Install relay output module label onto the module connector cover.</li> <li>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" in the Installation and User manual (51-52-25-154).</li> </ul>
2	<p><b>Mount RTP to DIN rail.</b></p> <ul style="list-style-type: none"> <li>Latch to rail. See page 5.</li> <li>Connect cable to RTP.</li> </ul>
3	<p><b>Set switch positions SW1 through SW8.</b></p>  <p>Fuses: 6.3A Time Lag  Wickmann part #3741630041  UL/CSA approved for 250V</p> <p><b>Warning:</b> Module Removal / Insertion Under Power (RIUP) is supported by turning off all eight switches to allow removal of the module from the rack without causing an arc. Please reference the ControlEdge PLC/UOC or ControlEdge HC900 Hybrid Controller Installation and User guide for more details.</p> <p>See page 4 for RTP internal schematic.</p>



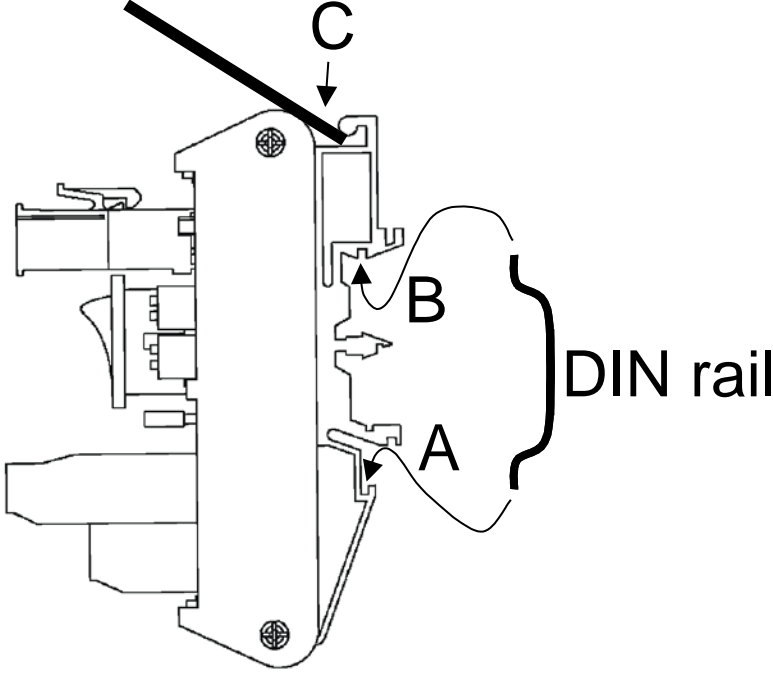
#### RTP Cable wire positions and colors

Twisted Pair Number	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

RTP Internal schematic



## Latch/Unlatch RTP to rail

Step	Action
1	Mounting screws must be installed at each end of the mounting rail, with additional screws approx. every 8" (203mm) to prevent twisting of the rail.
2	Insert one side of DIN rail at A. 
3	Insert other side of DIN rail at B, and push B over the rail to snap into place.
4	To remove, using slot screwdriver to lift C up gently (plastic is fragile) to disengage at B. Lift up and over rail, then disengage at A.

## ATTENTION

- Cable power is limited to 24 Amps per module at 60C (140 degrees F) and 32 Amps at 54C (129 degrees F).
- As shown in the schematic, each switch is SPST and opens and closes one lead of the relay wiring. If your application requires opening and closing both sides of the load wiring, then an external DPST switch is required.

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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 its application.

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51-52-33-135

November 2019

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