imall

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DESCRIPTION

This bulletin serves as a guide for the installation of PAX Setpoint cards. The setpoint cards are available as dual relay, quad relay, quad sinking transistor, quad sourcing transistor/SSR drive, or dual triac/dual SSR drive outputs.

INSTALLING A PAXCDS OPTION CARD



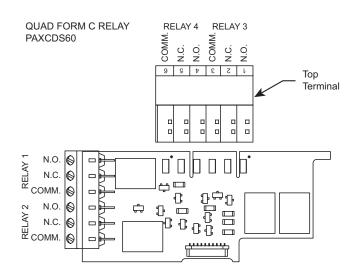
Caution: The option and main circuit boards contain static sensitive components. Before handling the cards, discharge static charges from your body by touching a grounded bare metal object. Ideally, handle the circuit boards at a static controlled clean workstation. Dirt, oil or other contaminants that may contact the circuit boards can adversely affect circuit operation.

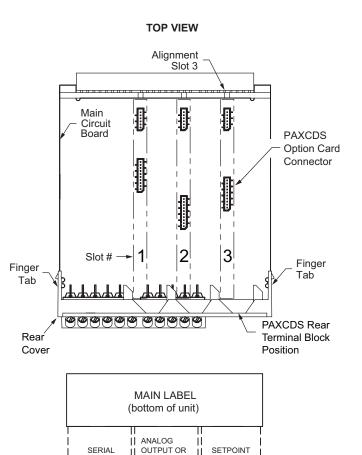


Warning: Exposed line voltage may be present on the circuit boards when power is applied. Remove all power to the unit AND load circuits before accessing the unit.

- 1. When handling the main circuit board, hold it by the rear cover. When handling the output card, hold it by the terminal block.
- 2. Remove the main assembly from the rear of the case by squeezing both finger holds on the rear cover and pulling the assembly out of the case. Or use a small screwdriver to depress the side latches and pull the main assembly out of the case. Do not remove the rear cover from the main circuit board.
- 3. Install the output card by locating the PAXCDS output card slot location on the main circuit board. Align the option card terminal block with slot # 3 terminal block position of the rear cover. Align the PAXCDS connector with the main circuit board option card connector and then press to fully engage the connectors. Verify that the tab on the option card rests in the alignment slot on the display board.
- 4. If installing a PAXCDS60 option card; a knock-out on the top of the PAX case will need to be removed to allow the PAXCDS60 top terminal block to be inserted later. Locate the shaped knock-out, positioned at the Setpoint Option, Option Slot 3, location. When looking at the case from the back with knock-outs on top, it is the shaped knock-out on the right. Carefully remove the knock-out, being careful not to remove any additional knock-outs. Trim any knock-out tabs (gates) that remain on the case. Complete Step 5 and then plug the PAXCDS60 top terminal into the PAXCDS60.
- 5. Slide the assembly back into the case. Be sure the rear cover latches fully engage in the case.
- 6. Apply the option card label to the bottom side of the unit. Do not cover the vents on the top surface of the unit. The surface of the case must be clean for the label to adhere properly. Apply the label to the area designated by the large case label.

PAXCDS TERMINAL CONNECTIONS





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П LABEL

REAL-TIME

LABEL

CLOCK CARD

11

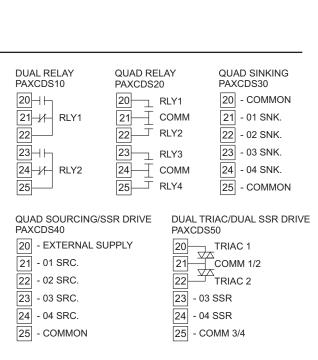
OUTPUT

CARD

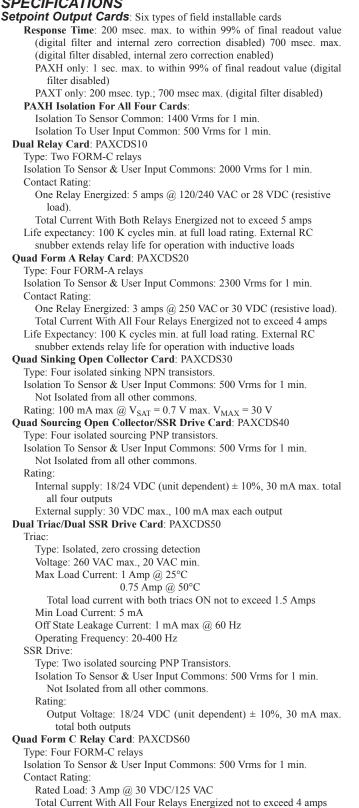
LABEL

OUTPUT

CARD



SPECIFICATIONS

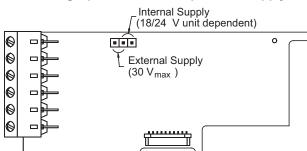


Life Expectancy: 100 K cycles min. at full load rating. External RC snubber extends relay life for operation with inductive loads

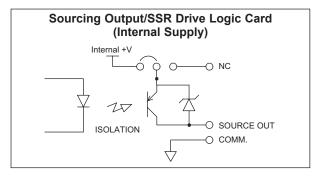
Red Lion Controls Headquarters 20 Willow Springs Circle York PA 17406 Tel +1 (717) 767-6511 Fax +1 (717) 764-0839

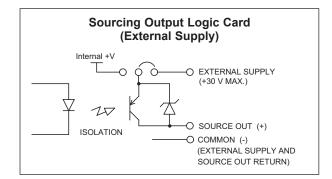
Red Lion Controls Europe Softwareweg 9 NL - 3821 BN Amersfoort Tel +31 (0) 334 723 225 Fax +31 (0) 334 893 793

Quad Sourcing Open Collector Output Card Supply Select



For Quad Sourcing/SSR Drive Option Card (PAXCDS40), set the jumper for internal or external supply operation before applying power.





ORDERING INFORMATION

| MODEL NO. | DESCRIPTION | PART NUMBER |
|-----------|---|-------------|
| PAXCDS | Dual Relay Output Card | PAXCDS10 |
| | Quad Form A Relay Output Card | PAXCDS20 |
| | Quad Sinking Open Collector Output Card | PAXCDS30 |
| | Quad Sourcing Open Collector/SSR Drive Output Card | PAXCDS40 |
| | Dual Triac/Dual SSR Drive Output Card | PAXCDS50 |
| | Quad Form C Relay Output Card | PAXCDS60 * |

* This card is not suitable for use in older PAX models. For proper installation, a case knock-out feature must be present on the top surface of the PAX case. This feature began to be introduced to the standard PAX units in July of 2014 (2614).

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