



THE DATASHEET OF RBDLA210



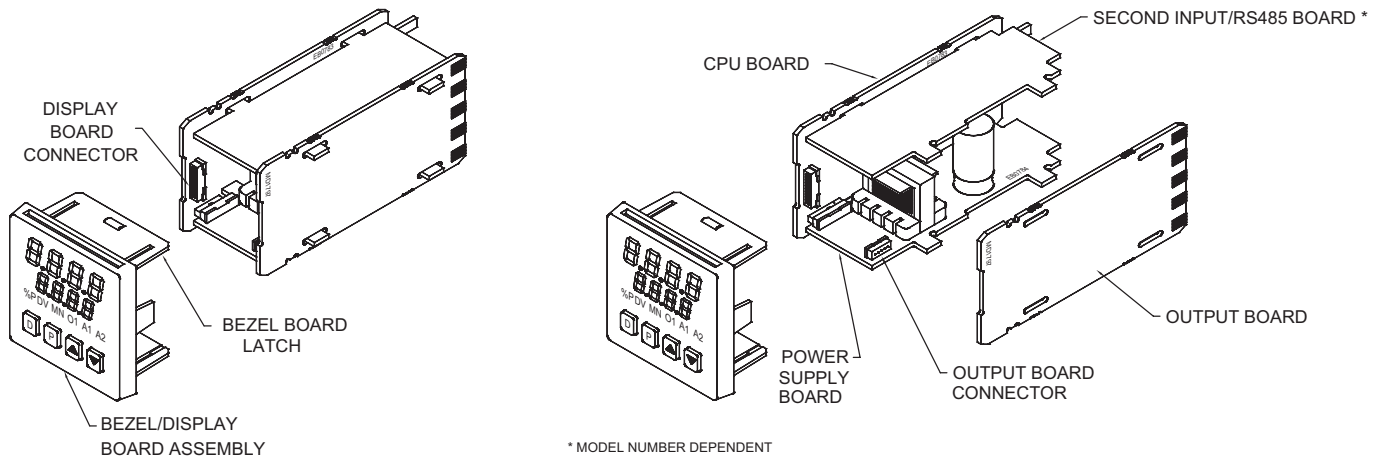
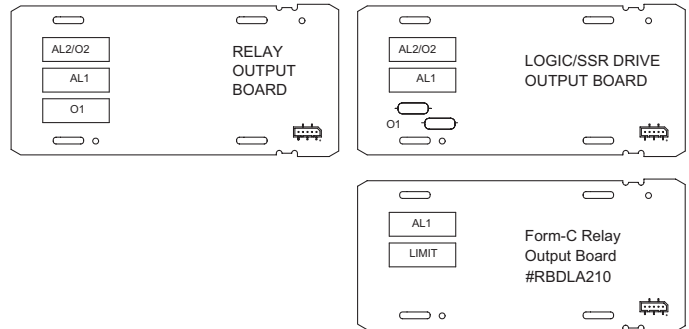
T48/P48/TLA OUTPUT BOARD

INSTALLING AN OUTPUT BOARD

Caution: The bezel assembly contains electronic circuits that can be damaged by static electricity. Before removing the assembly, discharge static charge on your body by touching an earth ground point. It is also important that the bezel assembly be handled only by the bezel itself. When handling a circuit board, be certain that hands are free from dirt, oil, etc., to avoid circuit contamination that may lead to a malfunction.

1. Remove the controller from the case.
2. Lift up on the top bezel board latch while gently pulling out on the bezel/display board assembly. Do NOT remove the display board from the bezel.
3. Remove the output board by pulling it away from the other boards. Replace the output board by aligning the board to board connector. Be certain the connector is fully mated.
4. Connect the bezel/display board assembly by guiding the board ends into the bezel latches. Slide the assembly on evenly until the display board connector is completely engaged and bezel latches are fully seated onto the boards.

Note: When replacing the output board, be certain to install a new output board of the same type. Appropriate rewiring considerations must be given if the output board type is changed.



SPECIFICATIONS & TYPICAL CONNECTIONS

Relay Connections

RBD48 Relay Outputs:

- Type: Form-A (Shared common for the Alarms)
- Contact Rating: 3 A @ 250 VAC or 30 VDC (resistive load)

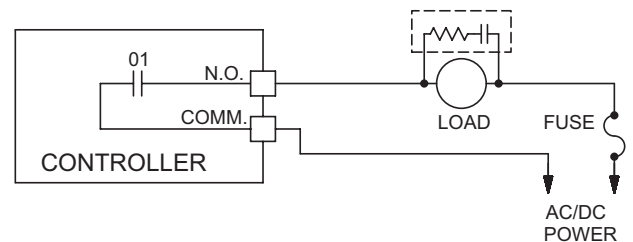
RBDLA Relay Outputs:

- Limit Relay Type: Form-C
- Alarm 1 Relay Type: Form-A
- Contact Rating: 5 A @ 250 VAC or 30 VDC (resistive load)
- Life Expectancy: 100,000 cycles at max. load rating. (Decreasing load and/or increasing cycle time, increases life expectancy.)

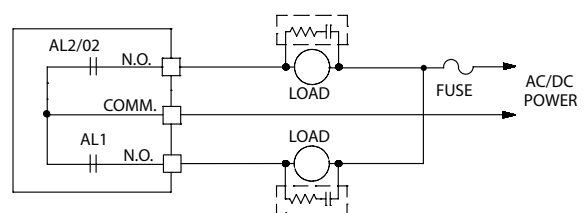
To prolong contact life and suppress electrical noise interference due to the switching of inductive loads, it is good installation practice to install a snubber across the contactor. Follow the manufacturer's instructions for installation.

Note: Snubber leakage current can cause some electromechanical devices to be held ON.

Main Control Output



Alarm Outputs/Cooling

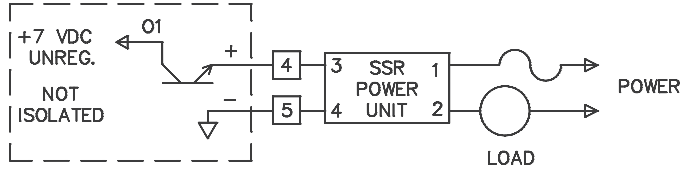


Logic/SSR Connections (T48 Only)

Logic/SSR Drive Output (O1 only):

Rating: 45 mA @ 4 V min., 7 V nominal (current limited)

Main Control Output



ORDERING INFORMATION

| MODEL NO. | MAIN CONTROL OUTPUT | AL1 | AL2 02 (COOL) | PART NUMBER |
|-----------|---------------------|-------|---------------|-------------|
| RBD48 | RLY-A | NONE | NONE | RBD48100 |
| | RLY-A | RLY-A | RLY-A | RBD48111 |
| | LGC | NONE | NONE | RBD48200 |
| RBDLA | LGC | RLY-A | RLY-A | RBD48211 |
| | RLY-C | RLY-A | NONE | RBDLA210 |



Do not dispose of unit in trash - Recycle

Note: For units equipped with a single alarm, order a dual alarm replacement board.

Note: RLY-A = Form-A Relay Output

RLY-C = Form-C Relay Output

LGC = Logic/SSR Drive Output

LIMITED WARRANTY

The Company warrants the products it manufactures against defects in materials and workmanship for a period limited to two years from the date of shipment, provided the products have been stored, handled, installed, and used under proper conditions. The Company's liability under this limited warranty shall extend only to the repair or replacement of a defective product, at The Company's option. The Company disclaims all liability for any affirmation, promise or representation with respect to the products.

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