

RCU-3 Relay Control Unit

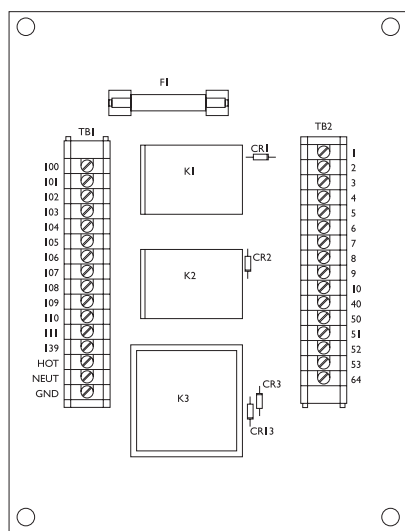
User's Guide

Description

The RCU-3 is a three relay control unit. The three, 24 or 12 volt relays are powered and controlled by cutoff outputs (setpoints) from an indicator.

The relay contacts are non-inductive at 240VAC or 30VDC. You, the operator, enter cutoff values into the indicator through the keypad. The cutoff outputs provide a ground potential energizing the relays. As each succeeding cutoff is reached, the associated relay is de-energized.

The wiring diagrams in this manual show relay K1 being controlled by cutoff 1, K2 by cutoff 2, and K3 by cutoff 3, although any of the cutoff outputs from the indicator could be used.



Component Layout

| RCU-3 PC-Board | P/N |
|------------------|------------|
| 12.0 vdc version | 26319-0035 |
| 24.0 vdc version | 26319-0019 |

| Contact Rating | 12 Volt Relay | 24 Volt Relay |
|------------------|---------------|---------------|
| K1, K2 - 10 amps | PN 23200-0075 | PN 23200-0018 |
| K3 - 7.5 amps | PN 23200-0091 | PN 23200-0034 |

Different indicator models can work with either 12-volt or 24-volt relays. This is dependent on the power source used to run the relays. Some indicators can provide power for up to 3 relays from an internal power source built into the indicator power supply section. Weigh-Tronix also offers RCU units with up to 10 relays. These RCU boards have 24.0 vdc power supply as part of the assembly to provide power to the relay coils when the indicator is not capable of providing power.

| Indicator | *Indicator Power Supply |
|-----------------------------------|-------------------------------|
| WI-125 LED | Three-12.0 vdc relays maximum |
| WI-127 | Three-24.0 vdc relays maximum |
| WI-130 | Three-12.0 vdc relays maximum |
| WPI-135 | Three-12.0 vdc relays maximum |
| WI-152 (12.0 vdc) | Two-12.0 vdc relays maximum |
| WI-150 w/cutoff fiber link module | Three-24.0 vdc relays maximum |
| WI-150 w/SC-150 | Three-12.0 vdc relays maximum |
| TT-830/831 | None |
| PC-820/821 | None |

* The internal power supply's ability to drive multiple relays may be limited by the number of weight sensors and option cards installed. If no internal power source is available or the number of relays you wish to use exceeds the recommended number of relays from the table above, you must provide an external power source to drive the relays.

This is a “Table of Contents preview” for quality assurance

The full manual can be purchased from our store:

[https://the-checkout-tech.com/manuals/Weigh-Tronix/RCU-3 user manual.html](https://the-checkout-tech.com/manuals/Weigh-Tronix/RCU-3%20user%20manual.html)

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