

RA200 Wiring and Programming Information

Wiring:

Note: Refer to Drawing 50214 Revision B for a complete wiring diagram to a TMS Series.

| | |
|--------------------------|--------|
| Contact Closure 1 | Reset |
| Contact Closure 2 | Test |
| Relay 1 | Strobe |
| Relay 2 | Horn |

The following wiring scenario is being provided as a guideline only. The advantage to wiring the CC Inputs as illustrated is to test the Reset switch in combination with the Test switch. The relays can be wired in any combination.

Note: A low value CC Input can acknowledge a high value CC Input but NOT vice versa.

Programming:

1. Sets the tank conditions that must occur to activate the relays.

| Front Panel | |
|--------------------|--------|
| Config ⇒ Rely Tank | |
| | Relays |
| Leak Trig | 0-0-0 |
| SP1 Trig | 1-2-0 |
| SP2 Trig | 1-2-0 |
| SP3 Trig | 0-0-0 |
| H2O Trig | 0-0-0 |

| TMS Communicator | |
|--|----------------------------|
| Configuration ⇒ Relays ⇒ Tank Triggers | |
| | Relays |
| Leak Trigger | None - None - None |
| Set Point #1 Trigger | Relay #1 - Relay #2 - None |
| Set Point #2 Trigger | Relay #1 - Relay #2 - None |
| Set Point #3 Trigger | None - None - None |
| Water Trigger | None - None - None |

2. Chooses the CC Inputs that the relays will react to.

| Front Panel | |
|--------------------|----------|
| Config ⇒ Rely cc | |
| cc Trig | (Relays) |
| 1 | 2-0-0 |
| 2 | 1-2-0 |

| TMS Communicator | |
|---|----------------------------|
| Configuration ⇒ Relays ⇒ Non-Hazardous Contact Closure Inputs | |
| CC Trigger | Relay Selects |
| #1 | Relay #2 – None – None |
| #2 | Relay #1 – Relay #2 – None |

3. Controls the behavior of a relay.

| Front Panel | | | | |
|--------------------|----------|--------|-------|----------|
| Config ⇒ Rely Mode | | | | |
| (Relay) | Normally | FP Ack | Delay | Latch En |
| 1 | Off | No | None | No |
| 2 | Off | Yes | None | No |

| TMS Communicator | | | | |
|-------------------------------------|----------------------|-------------------------------------|-----------------|--------------------------|
| Configuration ⇒ Relays ⇒ Relay Mode | | | | |
| (Relay) | Normal Contact State | Allow Front Panel Acknowledgements | Delayed Shutoff | Latch Enable |
| #1 | Off | <input type="checkbox"/> | None | <input type="checkbox"/> |
| #2 | Off | <input checked="" type="checkbox"/> | None | <input type="checkbox"/> |

4. Controls the behavior of a Contact Closure Input.

| Front Panel | | | |
|--------------------|-----------|----------|----------|
| Config ⇒ cc Input | | | |
| (CC Input) | cc Enable | Inp Name | Normally |
| 1 | Ack | Input | Open |
| 2 | Relay | Input | Open |

| TMS Communicator | | | |
|---|------------------------|------------|----------|
| Configuration ⇒ Contact Closure Inputs ⇒ Non-Hazardous Contact Closure Inputs | | | |
| (CC Input) | Contact Closure Enable | Input Name | Normally |
| #1 | Acknowledge | Input | Open |
| #2 | Relay | Input | Open |