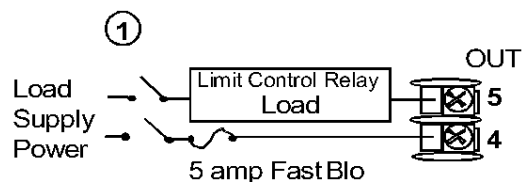


① PROTECTIVE BONDING (grounding) of this controller and the enclosure in which it is installed, shall be in accordance with National and Local electrical codes. To minimize electrical noise and transients that may

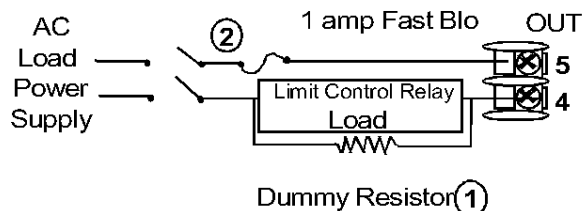


24859

- ① Control relay is configured N.O. as shipped. Alarm relays 1 and 2 are configured N.C. as shipped. N.O. or N.C. configurations are selectable by jumpers on the Main printed wiring boards. See “Preliminary Checks” in this section of the Product Manual for details. Each SPST relay is rated at 5A, 120 Vac and 30 Vdc, 2.5 A 240 Vac. User-provided fuses should be sized accordingly. For solid state relay outputs, see Figure 2-13.

See Figure 2-11 for Alarm Output Connections.
See Table 2-3 and Table 2-4 for Limit Control and Alarm Relay Contact information.

Figure 2-8 Electromechanical Relay Output



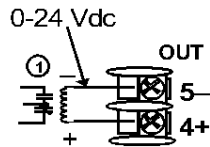
24860

- ① If the load current is less than the minimum rated value of 20 mA, there may be a residual voltage across both ends of the load even if the relay is turned off. Use a dummy resistor as shown to counteract this. The total current through the resistor and the load current must exceed 20 mA.
- ② Solid State relay is rated at 1 Amp at 25°C, linearly derated to 0.5 Amp at 55°C. Customer should size fuse accordingly.

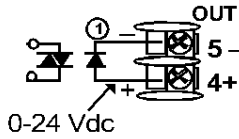
See Figure 2-11 for Alarm Output Connections.
See Table 2-3 and Table 2-4 for Limit Control and Alarm Relay Contact information.

Figure 2-9 Solid State Relay Output

Customer Supplied External Electromechanical Relay



Customer Supplied External Solid State Relay

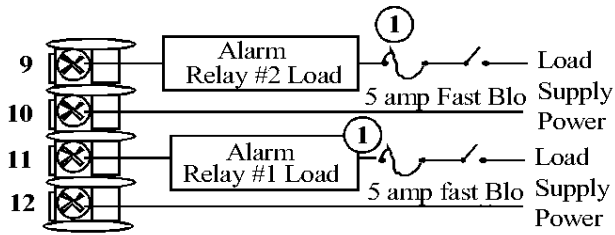


24861L

① **CAUTION** Open collector outputs are internally powered at 24 Vdc. Connecting an external supply will damage the controller. External relays should be fused between power and relay load.

See Figure 2-11 for Alarm Output Connections.
See Tables 2-3 and 2-4 for Limit Control and Alarm Relay Contact information.

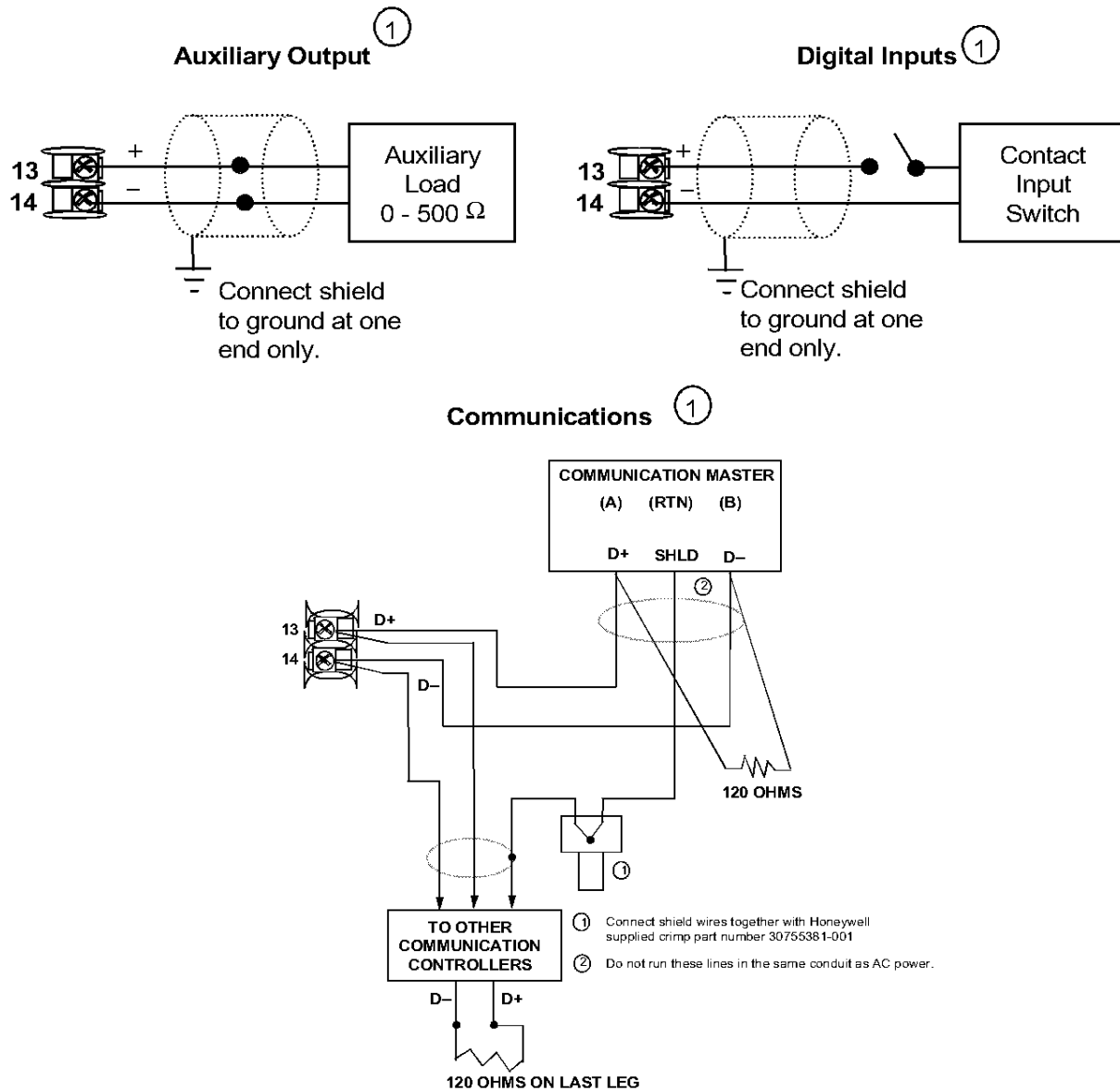
Figure 2-10 Open Collector Relay Output



24867

① Control relay is configured N.O. as shipped. Alarm relays 1 and 2 are configured N.C. as shipped. N.O. or N.C. configurations are selectable by jumpers on main printed wiring boards. **See “Preliminary Checks” in this section of the Product Manual for details.** Each SPST relay is rated at 5 A, 120 Vac and 30 Vdc, 2.5 A, 240 Vac.

Figure 2-11 Alarm Output Connections



① AuxOut , Digital Input and Communications are mutually exclusive.

Figure 2-12 External Interface Option Connections

2.8 Limit Control Application Diagram

Limit Controller Wiring

Figure 2-13 shows the Right and Wrong way to wire your Limit Controller.

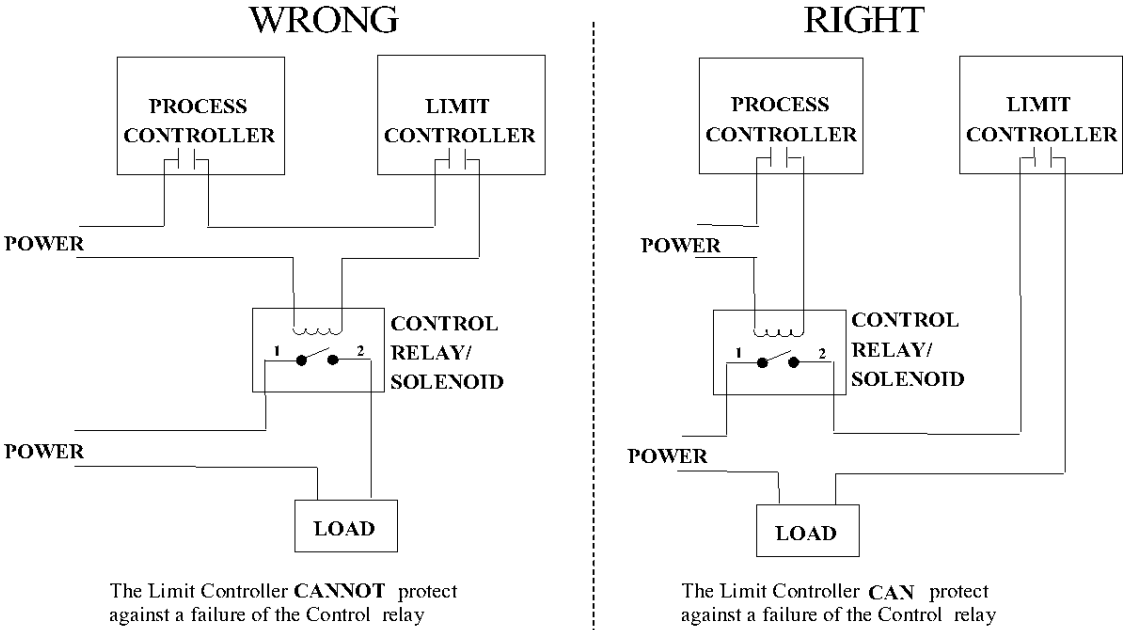


Figure 2-13 Limit Controller Application Diagram