

## SSR Z Series Installation/Operations

1. Mount the unit so the line and load connections are at the top and upward airflow over the heat sink fins is unrestricted.
2. Connect the load (resistive only) to the proper terminals (refer to the input/output connections diagram) using appropriately sized and insulated conductors. (All input/output conductors should be stranded copper wire only.) (Minimum temperature rating is 75° C.)

### WARNING

**Hazardous voltages exist at the exposed SSR Z series (LINE and LOAD) terminals unless the fuse disconnect or circuit breaker that supplies power to the unit is open or off. This is true even when the gating control method used has the semiconductors turned off.**

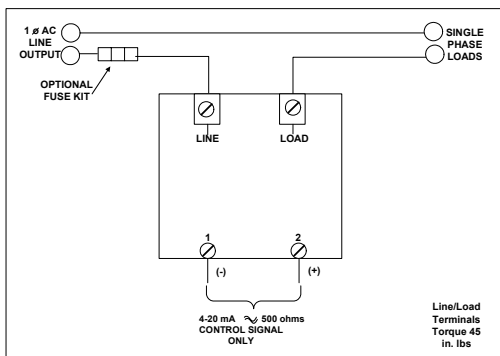
3. Connect input lines from the fused disconnect or circuit breaker to the proper terminals (refer to the input/output connections diagram) using appropriately sized and insulated conductors. (**NOTE:** Input power

should be routed through a fused disconnect or circuit breaker with a fuse or trip rating of 100% to 125% of the current rating stamped on the nameplate of the SSR Z series unit.)

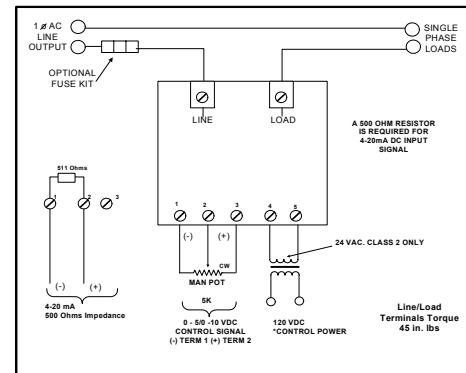
### WARNING

**Branch circuit overcurrent protection required is to be provided in accordance with the national and local codes of the inspecting authority.**

4. Connect controller or manual potentiometer input per input/output connections diagram.
5. Energize unit. With temperature controller set to deliver zero output, adjust BIAS control for zero output. Next, set temperature controller demand for 100% output., adjust GAIN control for full output. The flashing LED may be used for adjustment purposes. (**NOTE:** When LED is lit, the unit is on.)

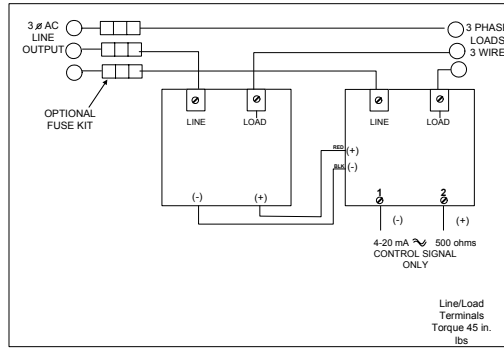


Typical Input/Output Connections for the 1Ø Z-C

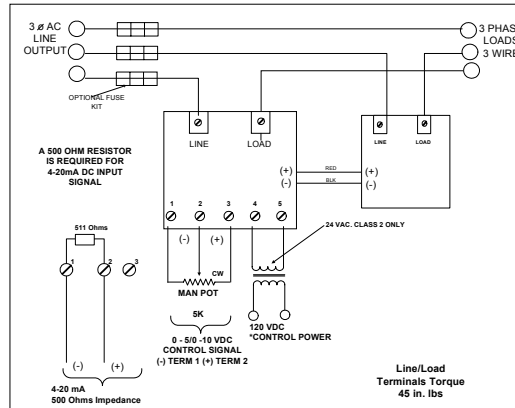


Typical Input/Output Connections for the 1Ø Z-V

Typical Input/Output Connections  
 for the 2Ø, 3 Wire Z-C



Typical Input/Output Connections  
 for the 3Ø, 3 Wire Z-V



Typical Input/Output Connections  
 for the 3Ø, 3-or-4 Wire

