

Terminals A1, A2, X1, X2:  
Torque at 4.4-7.1 lb In.

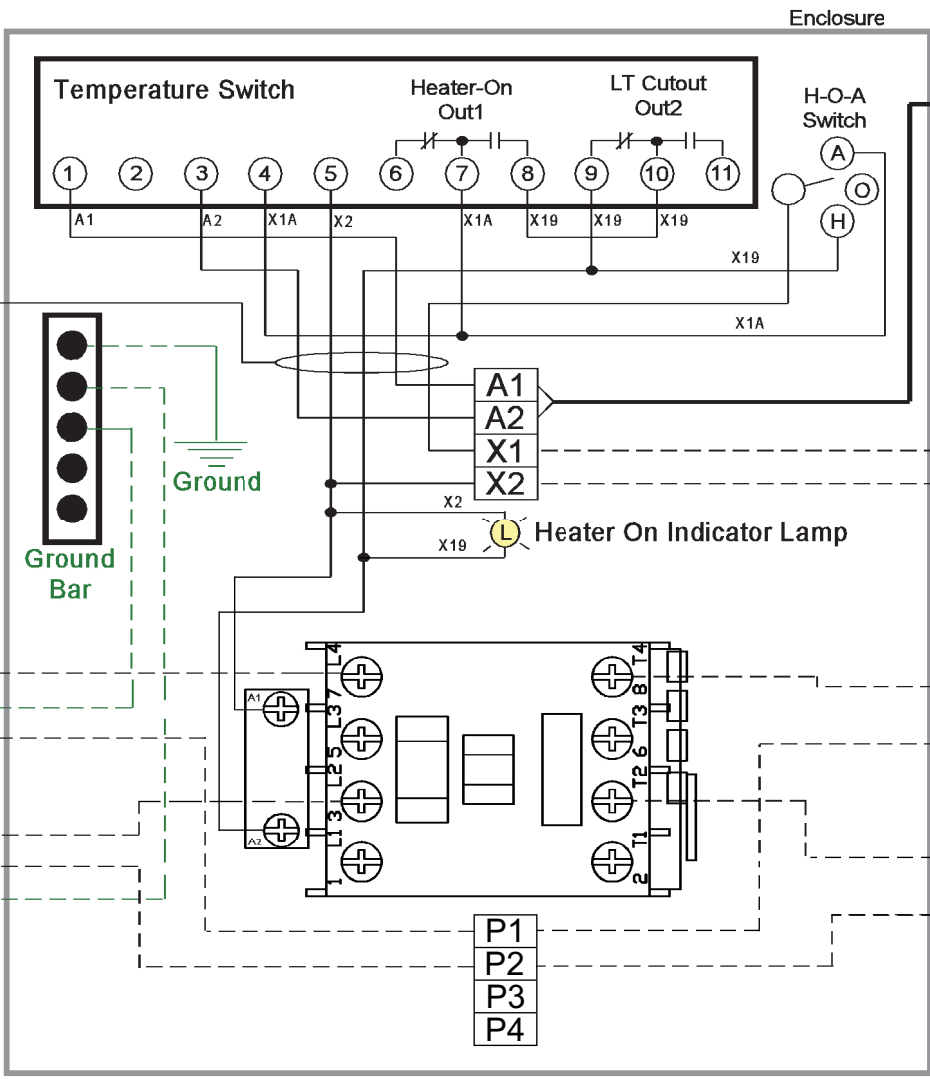
Use copper conductors only with a temperature rating of 60° F. for terminals rated less than 100 amperes, and a temperature rating of 75° F. for terminals rated for 100 amperes or higher



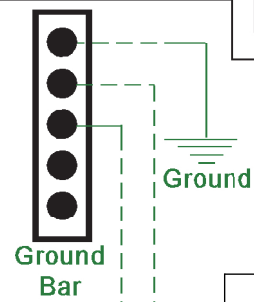
**summit**  
ICE MELT SYSTEMS

Ambient Sensor Bulb  
10' long Sensor Lead

Note: Locate sensor on the coldest exterior side of structure (usually north) under the overhang and not exposed to heat sources such as sunlight, heating vents, etc. If using extension wiring for remote placement of sensor bulb, use copper extension wire, 300Vac rated insulation:  
 16 gauge up to 60' max.      14 gauge up to 120' max.  
 12 gauge up to 240' max.      10 gauge up to 480' max.  
**Important: DO NOT exceed maximum extension wire length versus wire gauge!**



Factory Wiring



To Heater Circuit

To Heater Circuit

To Heater Cable Ground Braid (typical)

120V Input  
Circuit 1: 120Vac 10A protected circuit breaker to be provided by installer

30mA Ground Fault Circuit Breakers (by others) (1 to 4 circuits)

For 120V / 277V Applications

For 208V / 240V Applications

Circuit 2 (typ.): 30A-30 mA ground fault equipment circuit breakers to be provided for each circuit by installer (typical)

Field Wiring (by others, typical)

### Multi-Circuit Standard Digital Controller

Switches 120V/208/240/277V 30A branch circuits, wire per example as shown  
Available in 4-, 8-, and 12-circuit configurations

**DANGER**  
**HIGH VOLTAGE**

**CAUTION**  
Turn off all power before servicing panel or branch circuits