

Trouble Shooting Guideline GlasCraft H.V. (High Voltage) Hose Heat

- A) If Hose Heat control doesn't light-up, first check the following:**
- a. Supply power on? _____
 - b. Safety shut-down re-set? _____
 - c. Emergency stop controls re-set? _____
- B) If Hose Heat control does light-up, but displays an error, first check the following:**
- a. Display ERR-2 (thermocouple) _____
 - b. Display ERR-4 (unplugged) _____
 - c. Display ERR-7 (program incorrect) _____
- C) If Hose Heat control does light-up and no error notes displayed, check the following:**
- a. Controller set-point? _____
 - b. If controller “load on” light is not illuminated _____
 - i. reconfirm section “a” above _____
 - ii. test with an alternate controller _____
 - c. If controller “load on” light is illuminated _____
 - i. Hose heat plugged in? _____
 - ii. Hose heat fuses OK? (x2) _____
 - iii. Hose SSR (solid state relay) “load on” illuminated? _____
 (note: test for failed SSR via single jumper on output terminals)
 - iv. Hose heat relays (#6 & #7) fully seated? _____
 - v. Wire connections at SSR (solid state relay) and hose heat plug receptacle tight and clean? _____
 - vi. If Hose Heat fuses blow again when replaced, check heat tape termination at whip end of hose. Termination isolator must be in place _____
 - vii. If hose termination isolator is in place and fuses continue to blow, the fault is likely a damaged heat tape and must be sectionally tested/repared or simply replaced _____
 - viii Confirm heat tape @ 100 ohms / 2 amps (nominal) for 50’ HIGH HEAT (10W/ft) system @ 74°F or 200 ohms / 1 amp (nominal) for 50’ STANDARD (8W/ft) system @ 74°F. _____
- D) Heat Tape Identification:**
- a. S/Steel Braided w/Green PVC Liner x 8W/ft (Factory Stock)
 - b. S/Steel Braided w/Pink PVC Liner x 8W/ft (Aftermarket)
 - c. Orange PVC x 8W/ft x 240 VAC (Indicated on tape jacket)
 - d. Orange PVC x 10 W/ft x 240 VAC (Indicated on tape jacket)
 - e. Orange PVC x 8W/ft x 120 VAC (Indicated on tape jacket) – Older Units