



TEMPERATURE CONTROLLERS... PORTABLE CHILLERS... CENTRAL CHILLERS... PUMP TANK STATIONS... TOWER SYSTEMS...

SUBJECT: POWER LOSS UNIT BYPASS CIRCUIT FOR SENTRA TEMPERATURE CONTROL UNITS

FYI #291 11/17/2009

In some critical applications constant water flow through the process is required to prevent premature product curing that results in expensive and time consuming repair. When supplied with an un-interruptible cooling water supply, the "power loss bypass circuit" provides constant cooling water flow through the process by bypassing the temperature control unit.

- ① Normally open solenoid valve... if power is lost, valve opens.
- ② Normally closed solenoid valve... if power is lost, valve closes.
- ③ "Standard" 1/2 AVT valve... if power is intentionally turned off to unit, valve remains in last position (open, closed or partially open).
- ④ Normally open solenoid valve... if power is lost, valve opens.
- ⑤ Check valve... to prevent back flow.
- ⑥ Check valve... to prevent back flow.
- ⑦ Manual shut off valve must be closed when power is intentionally turned off to unit to prevent constant water bypass around unit.
- ⑧ Manual shut off valve must be closed when power is intentionally turned off to unit to prevent constant water bypass around unit.

