



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

SUBJECT: JOHNSON CONTROL MULTIPLE STAGE THERMOSTAT SYSTEM

#5-A-222

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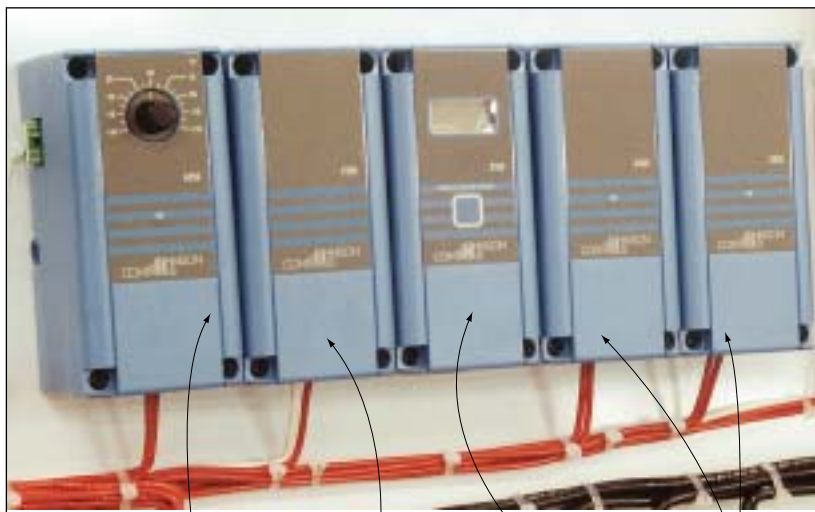
Revision 12/6/05

Pictured is the A350 multistage electronic temperature control system thermostat manufactured by Johnson Controls. Factory installations of the A350 include chilled water and tower water systems. The A350 can also be field installed for single unit replacement of manual thermostats used on tower applications. It is approved for use on UL listed panels.

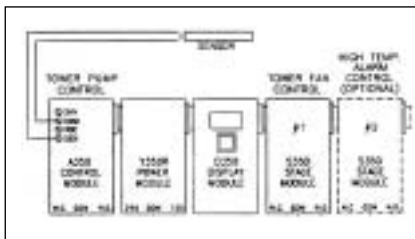
The A350 consists of an analog set point module, power module, digital display module, and up to 9 staging modules.

The assembly is DIN rail mounted on the electrical panel. The assembly pictured here from a PTS-800 system would operate the tower pump, tower fan and alarm.

The staging modules activate at an adjustable offset from a common setpoint. The differential between "on" and "off" can also be adjusted on each module.



Labels with arrows pointing to the modules in the photograph above:
 SETPOINT MODULE, POWER MODULE, DISPLAY MODULE, STAGING MODULES, POINT ADJUSTMENT, DISPLAY, OFFSET ADJUSTMENT, DIFFERENTIAL ADJUSTMENTS



Schematic of typical installation.

TYPICAL SETTINGS:

Tower pump: Offset 0°	Alarm: Offset 20°
Differential 3°	Differential 5°
Tower fan: Offset 5°	Setpoint: 80°
Differential 7°	

