

CONTROLLER: SAT-CP-T2-F-AD

Conductivity Sensor:	Cable to:	Located:
Tower 1 Conductivity	A+ & A-, E+ & E-	Door mounted circuit board <b>Blue cable sleeve sensors</b>

Cabling Notes: Extend conductivity sensor cables with 4 x AWG22 cable, shielded or unshielded & color coded black, white, red and green.

pH Sensor:	Cable to:	Located:
Tower 1 pH	C+ & C- <b>Coax. Shield to C-</b>	Door mounted circuit board <b>Green ground wire to backplate</b>

Cabling Notes: Do not parallel pH cables & AC power cables.

If sensor cables are shortened, strip center conductor 'black' insulation from inner 'clear' insulation before terminating. Do not extend pH sensor cables.

Any mix of three contact head, turbine & paddlewheel sensors may be connected to the controller.

Water meters:	Cable to:	Located:
Tower Make-up	'O' input	Door mounted circuit board
Tower Bleed	'P' input	Door mounted circuit board
Closed Loop Make-up	'Q' input	Door mounted circuit board

Cabling Notes: Contact head meters wire to O+ & O- through Q+ & Q-.

See manual Sections 3.3.5 & 4.3 for turbine & paddlewheel cabling.

Closed loop inhibitor feed control is based on the water volume measured by water meter 'Q'. **Calibrate** water meter 'Q' and then **Adjust Setpoints** on **Inhibitor B** to set closed pump run time based on closed loop make-up volume. Plug the closed loop inhibitor pump into the **Inhibitor B** socket.

Flowswitch:	Cable to:	Located:
Tower Recirculating	'U' input	Door mounted circuit board

Cabling Notes: Connect to U+ & U-. Dry contacts may be substituted for a flowswitch.

Contacts must be closed to operate pumps and solenoids.

Chemical Pumps are usually plugged into the pump plug enclosure at the end of the flexible, blue conduit. If you wish to hard wire the bleed solenoid:

Bleed Solenoid:	Cable to:	Located:
Bleed Solenoid	Line to NO2 Neutral to N2	Door mounted circuit board

Cabling Notes: Cable solenoids with AWG18 to AWG14 cable, multiple stranded.