

**CONTROLLER: SAB-B2-XC**  
*Controller for 2 boilers & Condensate Bypass*

<b>Sensors:</b>	<b>Cable to:</b>	<b>Located:</b>
Boiler 1 Conductivity	<b>E+ &amp; E-</b>	Door mounted circuit board
Boiler 2 Conductivity	<b>S1 &amp; S2</b> <b>Labeled Boiler #2</b>	Module located in back of enclosure – See Appendix D3 in manual
Condensate	<b>S1 &amp; S2</b> <b>Condensate Cond.</b>	Module located in back of enclosure – See Appendix D3 in manual

*Cabling Notes:* Extend conductivity sensor cables with 2 x AWG22 cable, shielded or unshielded.

<b>Motorized Valves:</b>	<b>Cable to:</b>	<b>Located:</b>
Boiler 1 Blowdown Valve	<b>NC2, NO2 &amp; N2</b>	Door mounted circuit board
Condensate	<b>NC3, NO3 &amp; N3</b>	Door mounted circuit board
Boiler 2 Blowdown Valve	<b>NC4, NO4 &amp; N5</b>	Door mounted circuit board

*Cabling Notes:* Cable valves with AWG18 to AWG14 multiple stranded. Cabling fused @ 7 amps. Do not use AWG12-14, 7 strand. Wire steam rated solenoids to **NOx** & **Nx** terminals.

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

<b>Water meters:</b>	<b>Cable to:</b>	<b>Located:</b>
Softened Make-up	<b>'O' input</b>	Door mounted circuit board
Boiler Feed #1 to #2	<b>'P' &amp; 'Q' inputs</b>	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.