This will simplify your wiring and make zoning applications much easier. In addition, enhanced communicating features have the ability to stage the electric boiler based upon the connected zone capacity.

**Standard Features**
- Utility load control
- Terminal block wiring, visual wiring layout
- Indicator lights showing zone operation
- 24-volt, 40VA transformer 120/208/240 connection
- Fuse protection
- Priority option
- Dual temperature operation
- Applies to digital or standard thermostats
- Dial switch, select each zone capacity

**Pumps, Actuators, Valves**
- EB-ZTA-1 - install within boiler cabinet
- EB-ZEA-1 - with enclosure and 40VA transformer
- EB-ZEA-2 - add additional 4, enclosure and 40VA transformer

**Pumps**
- EB-ZEA8 - with enclosure and 40VA transformer for 8 zone pumps

**Zone Valves**
- EB-ZTS-1 - install within boiler cabinet, encl. option
- EB-ZTS-2 - add additional 4, enclosure and 40VA transformer
- EB-ZES8 - with enclosure, no transformer, for 8 zone valves

**SWITCHING RELAY - EE-5051**
This DPDT 24-volt switching relay provides a convenient solution to any AC or DC application.

- Ideal for zone pumps
- 24V coil
- 120V, 10A, contact sets
- Easy to wire and nicely packaged

**MULTI-BOILER - EB-C-STG5**
Electrically connects between 2nd and 3rd, 3rd and 4th, etc.

**OTHER OPTIONS**
- SOT-1 - Switchover to standby, total run time
- 5701 - Single feed bus for 2 CB’s (SQ-D CB)
- 5702 - Single feed bus for 3 CB’s (SQ-D CB)
- EB-S-SB - Dual boiler option for EB-S Series
- WF-ANZ7 - WarmFlo Analyzer, now applicable to WO and WA Series
**TWO SUPPLY WATER TEMPERATURE REQUIREMENT**

- Handled as the priority zone on multi-zone (EB-ZEA-1)
- Priority switch on, zone 1 active - TS boiler automatically changes to 150° (or selection 176°) supply water setting
- All other zones are held off
- With zone 1 satisfied or 60-minute timeout, the boiler automatically returns to the preset temperature and reacts to the other zones

<table>
<thead>
<tr>
<th>Low Temp</th>
<th>High Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radiant, slab</td>
<td>Radiant, staple up</td>
</tr>
<tr>
<td>Radiant, slab</td>
<td>Baseboard</td>
</tr>
<tr>
<td>Radiant, slab</td>
<td>Fan coil</td>
</tr>
<tr>
<td>Radiant, slab</td>
<td>Water heater, side arm</td>
</tr>
<tr>
<td>Radiant, slab</td>
<td>Hanging unit heater (garage, shop, etc.)</td>
</tr>
</tbody>
</table>

**INSTALLATION PLUMBING KITS**

These installation kits provide the critical plumbing components needed for easy installation of the Electro-Boiler. **In addition** to the items shown in the matrix below, each kit includes all necessary ball valves, drain valve, tees, elbows, nipples, bushings, couplings, etc. for direct connection to circulator pump and/or manifold.

Electro Industries’ boilers come standard equipped with outlet temperature/pressure gauge, pressure relief safety valve, and when applicable, the WarmFlo™ electronic control sensors. These kits provide the additional components for easy installation:

<table>
<thead>
<tr>
<th>Model</th>
<th>Application</th>
<th>Return Gauge</th>
<th>Expansion Tank</th>
<th>Air Vent</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMB-BK</td>
<td>All EMB Series</td>
<td></td>
<td>2.1 gal. (7.9 L), 40,000 Btu/h</td>
<td>Basic float type</td>
</tr>
<tr>
<td>EMB-PK</td>
<td>All EMB Series</td>
<td>✓</td>
<td>2.1 gal. (7.9 L), 40,000 Btu/h</td>
<td>Enhanced air separator, EAS</td>
</tr>
<tr>
<td>EB-PK-M</td>
<td>EB-MS, -MA, -MO Series</td>
<td>✓</td>
<td>4.5 gal. (17 L), 135,000 Btu/h</td>
<td>Enhanced air separator, EAS</td>
</tr>
<tr>
<td>EB-BK-TS</td>
<td>EB-S, -WA, -WO Series</td>
<td>✓</td>
<td>4.5 gal. (17 L), 135,000 Btu/h</td>
<td>Basic float type</td>
</tr>
<tr>
<td>EB-PK-TS</td>
<td>EB-S, -WA, -WO Series</td>
<td>✓</td>
<td>4.5 gal. (17 L), 135,000 Btu/h</td>
<td>Enhanced air separator, EAS</td>
</tr>
</tbody>
</table>

**CIRCULATING PUMPS**

- **5585 - Mini-Boiler & 10 kW TS Series**
  - 120V, 1/25 HP, maintenance-free wet rotor circulator
  - Pump curve example - 5 GPM (19 L) @ 11 ft. of head (32.9 kPa)

- **5586 - TS Series, Standard**
  - 120V, 1/6 HP, maintenance-free oil lubricated circulator
  - Pump curve example - 10 GPM (37.8 L) @ 20 ft. of head (50.8 kPa)

- **5578 - 3/4” Pipe**
- **5582 - 1” Pipe**
- **5579 - 1-1/4” Pipe**
  - Two flanges, with isolation valve

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