With Franklin Electric's SubMonitor, you can protect against adverse conditions such as low-flow wells, pump damage, clogging, bound pumps and power mishaps. SubMonitor is designed to protect three-phase motor and pump systems with ratings between 3 and 200 hp.

Current, voltage and motor temperature are monitored using three integrated current transformers. A digital display provides current and voltage readings for all three legs and allows the user to set up the SubMonitor quickly and easily. Data can be downloaded to a PC using Franklin's D3 device.

SubMonitor protects against:
- Under/Overload
- False Start (Chattering)
- Under/Overvoltage
- Current Unbalance
- Overheated Motor (Subtrol-equipped)
- Phase Reversal

Specifications:

<table>
<thead>
<tr>
<th>Model Number</th>
<th>586 000 5100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Premium Package</td>
<td></td>
</tr>
<tr>
<td>Standard Unit</td>
<td>586 000 5000</td>
</tr>
<tr>
<td>Display Only</td>
<td>225 190 902</td>
</tr>
<tr>
<td>Base Only</td>
<td>225 210 902</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>190 – 600 VAC</td>
</tr>
<tr>
<td>Frequency</td>
<td>60/50 Hz</td>
</tr>
<tr>
<td>Motor Service Factor Amps</td>
<td>5 to 350 Amps</td>
</tr>
<tr>
<td>Maximum Conductor Size Through Sensors</td>
<td>0.920 in. (23 mm)</td>
</tr>
<tr>
<td>Weight (SubMonitor)</td>
<td>3.3 lbs/1.5 kg</td>
</tr>
<tr>
<td>Carton Size (Std. Unit)</td>
<td>7.75 in x 11.5 in x 6.75 in (19.7 cm x 29.2 cm x 17.1 cm)</td>
</tr>
<tr>
<td>Shipping Weight (Std. Unit)</td>
<td>3.5 lbs/1.5 kg</td>
</tr>
<tr>
<td>Agency Approval</td>
<td>UL 508 Listed</td>
</tr>
</tbody>
</table>

Control Circuit Rating ................. 1.5 Amp AC, up to 600 volts
Signal Circuit Rating ................... 1 Amp AC, up to 250 volts (Incandescent lamp: 100 watts max)

Wiring Terminals
- Wire Gauge.............................. #12 to #18 AWG
- Tighten to.............................. 4.5 in-lbs

*This product is lead free.*
**Detachable Display Unit**

The detachable display unit displays and stores data it receives from the base unit. A communication cable connects the display to the base unit.

- Easy menu-driven setup and adjustment of monitoring parameters.
- Real time display of voltage and current for each leg.
- Can be mounted on panel door for easy access (mounting kit available).
- NEMA 3R enclosure.
- Password protection option.
- Fault light can be seen from a distance – indicates that a trip has occurred and that a fault message is being displayed.
- Turn-and-push adjustment knob.
- 502-event history (downloadable to PC with optional D3 unit – sold separately).

**Base Unit**

The base unit contains the current sensors and the electronics that monitor motor leads. It can operate independently of the detachable head.

- Can be mounted with 4 screws or with DIN rail.
- Integrated current transformers.
- Dual-colored fault light indicates.
  - Green ...................... OK (system is operating normally)
  - Red .......................... TRIPPED (a fault has occurred)
- Power, control and alarm terminal connectors are removable for easy access.
- Port for communication cable between base and display.
- Reset button allows manual restart after a trip has occurred.