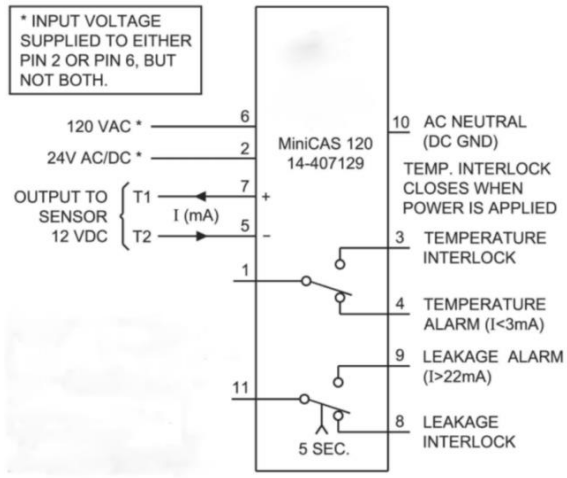
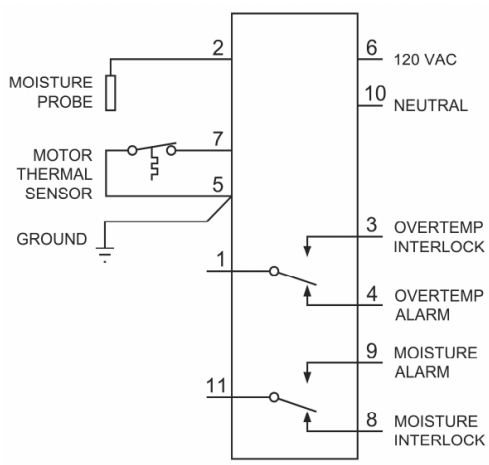
PMR5 Relay Installation

The HOMA PMR5 directly replaces a Flygt MiniCas relay and installs in the existing relay base. However, some small modifications must be done to ensure correct operation.

Xylem / Flygt MiniCas Connection Diagram



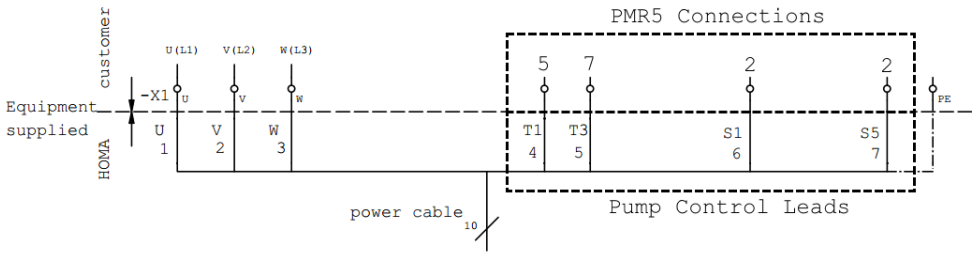
HOMA PMR5 Connection Diagram



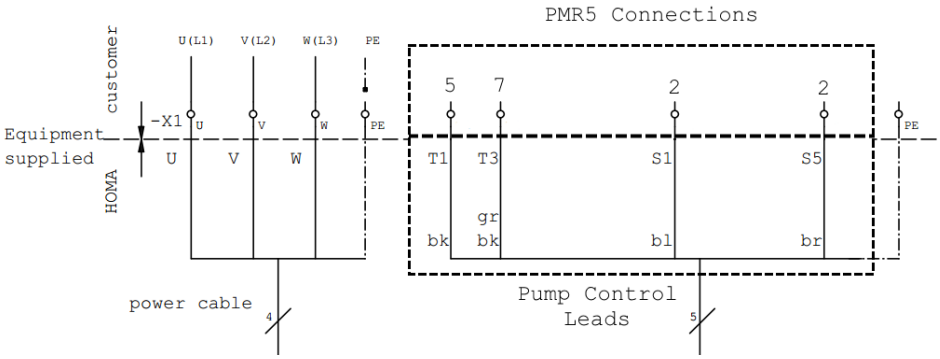
- Begin by determining if the current MiniCas relay is powered by 120VAC or 24V AC/DC.
  - Looking at the connection diagram above, you can see that if pin 6 is used, it is powered by 120VAC. This means the lead can be reused when connecting the PMR5
  - If pin 2 is used, then it is powered by 24V AC/DC. This means that you will need to provide a 120V lead from the control transformer. The new lead must be connected to pin 6.
- Connect the Leakage Probe lead S1 from the pump control cable to pin 2 on the relay. If leakage probe leads S3 and/or S5 are provided, attach them to pin 2 as well.
- Disconnect the leads from pins 5 and 7,
- Connect the Motor Thermal leads (T1 and T2) from the pump control cable to pins 5 and 7 on the relay
- If Leakage probe leads S2, S4, and/or S6 are provided, attach them to pin 5. If a control terminal strip is used, this may require wiring to an unused point on the strip.
- If S2 IS NOT PROVIDED, add a ground wire to pin 5. If S2 IS PROVIDED, DO NOT add a ground wire to pin 5

Sample Wiring Diagrams

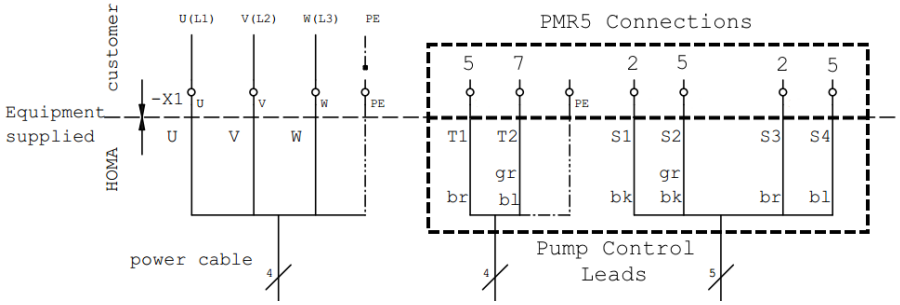
S1 and S5 single wire seal probes – attach ground to pin 5



S1 and S5 single wire seal probes, S3-S4 two-wire seal probe – attach ground to pin 5



Explosion proof (FM) model: S1-S2 and S3-S4 two-wire seal probes – DO NOT attach ground to pin 5



Explosion proof (FM) model: S1-S2 two-wire seal probes – DO NOT attach ground to pin 5