## Pumptec

Pumptec is a load sensing device that monitors the load on submersible pump/motors. If the load drops below a preset level for a minimum of 4 seconds the Pumptec will shut off the motor.

The Pumptec is designed for use on Franklin Electric 2- and 3-wire motors (.25 to 1.1kW) 220V. The Pumptec is not designed for Jet Pumps.

| Symptom | Checks or Solution |
|---|---|
| **Pumptec trips in about 4 sec. with some water delivery.** | A. Is the voltage more than 90% of nameplate rating?<br>B. Are the pump and motor correctly matched?<br>C. Is the Pumptec wired correctly? Check the wiring diagram and pay special attention to the positioning of the power lead. |
| **Pumptec trips in about 4 sec. with no water delivery.** | A. The pump may be airlocked. If there is a check valve on top of the pump, put another section of pipe between the pump and the check valve.<br>B. The pump may be out of water.<br>C. Check the valve settings. The pump may be dead-heading.<br>D. Pump or motor shaft may be broken.<br>E. Motor overload may be tripped. Check the motor current (amperage). |
| **Pumptec will not time-out and reset.** | A. Check switch position on the side of the circuit board in Pumptec. Make sure the switch is not set between settings.<br>B. If the reset time switch is set to manual reset (position 0), Pumptec will not reset. (Turn power off for 5 sec., then back on to reset.) |
| **The pump/motor will not run at all.** | A. Check voltage.<br>B. Check wiring.<br>C. Bypass Pumptec by connecting L2 and the motor lead with a jumper. If motor does not run, the problem is not Pumptec.<br>D. Check that Pumptec is installed between the control switch and motor. |
| **Pumptec will not trip when the pump breaks suction.** | A. Be sure you have a Franklin motor.<br>B. Check wiring connections. Is power lead connected to the correct terminal? Is motor lead connected to correct terminal?<br>C. Check for ground fault in the motor and excessive friction in the pump.<br>D. The well may be “gulping” enough water to keep Pumptec from tripping. It may be necessary to adjust Pumptec for these extreme applications. Call Franklin Electric on 1300 FRANKLIN for information.<br>E. Does the control box have a run capacitor? If so, Pumptec will not trip (except with Franklin 1.1kW motors). |
| **Pumptec chatters when running.** | A. Check for low voltage.<br>B. Check for water logged tank. Rapid cycling for any reason can cause the Pumptec relay to chatter.<br>C. Make sure the L2 and motor wires are installed correctly. If they are reversed, the unit can chatter. |