



## Pumptec Family Specifications

	QD PUMPTEC	PUMPTEC	PUMPTEC-PLUS
Model Number	5800070600	5800020600	5800060100 (60 Hz) 5800060500 (50 Hz)
HP Rating	1/3 to 1	1/3 to 1.5	1/2 to 5
Voltage Rating	230 V	115 V / 230 V	60 Hz - 230 V 50 Hz - 220 V
Frequency	60 Hz	50 / 60 Hz	50 or 60 Hz
Mounting Location	Inside Franklin QD Control Box	Indoor/Outdoor	Indoor/Outdoor
Indicator Lights	No	Yes - Load/Voltage/Status	Yes - Load/Voltage/Status
Remote (IR) Accessible	No	Yes	No
Response Time	3 Seconds	3 Seconds	3 Seconds
Reset Time	Adjustable: 2 to 240 min.	Adjustable: 2 to 120 min. (240 w/remote)	Manual or Adjustable: 1 to 256 min.
Alarm Contact Rating	N/A	1 Amp 115 V / 230 V	N/A
Under/Overvoltage Time-out	2 minutes	2 minutes	2 minutes
Operating Temp Range	-15 °F to 130 °F	-15 °F to 130 °F	-15 °F to 140 °F
Sensitivity Adjustment	± 20%	40 to 90% SFL*	N/A
Overvoltage Trip	+10%	+10%*	+10%
Undervoltage Trip	-10%	-10%*	-10%

\* Adjustable with remote



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Motors  
Drives  
Controls  
Protection

## SINGLE-PHASE PUMP PROTECTION



# PUMP PROTECTION

## AT ITS BEST

The facts are clear and so are the choices. Franklin Electric's Pumptec family provides the high performance pump protection you need deep down in the well. Designed to monitor motor load and supply voltage and to shut down the pump to prevent damage, Pumptec family products protect your water system investment.

Pumptec, QD Pumptec, and Pumptec-Plus are the only single-phase load monitoring devices designed specifically for Franklin single-phase motors. They cover a broad range of ratings and fault conditions:

	QD PUMPTEC	PUMPTEC	PUMPTEC-PLUS
Air or Gas Locked Pump (Cavitation)	•	•	•
Broken Shaft or Coupling	•	•	•
Clogged Well Screen	•	•	•
Drop in Water Level	•	•	•
Faulty Check Valve		•	•
High Voltage	•	•	•
Low Voltage	•	•	•
Low Yield Wells	•	•	•
Rapid Cycling		•	•
Water Logged Tank		•	•
Worn Pump Parts	•	•	•

## QD PUMPTEC

### For Franklin QD Control Boxes.

Exclusively designed for Franklin QD Relay Control Boxes, QD Pumptec is a solid state sensing device that monitors motor load and incoming power to automatically shut off a Franklin single-phase, 3-wire motor when related fault conditions are detected. QD Pumptec protects the life of your 4-inch pump and reduces the odds that you will ever have to see the motor again.

QD Pumptec allows the user to choose the standard factory calibration for underload or to calibrate to a particular system. Control knobs make it easy to adjust sensitivity and timeout settings.

QD Pumptec easily plugs into 3-wire QD Relay Control Boxes in minutes, without additional wiring or tools.



## PUMPTEC

### For 2- & 3-wire single-phase motors, 1/3 to 1.5 hp.

Pumptec is a microcomputer-based pump protection device. It monitors motor load and power line conditions to provide protection against dry well conditions, waterlogged tanks, and abnormal line voltage conditions. Pumptec interrupts power to the motor whenever the load drops quickly or below a preset level. Indicator lights on the cover provide complete system status.

#### Additional features:

- Easily Adjustable Sensitivity Settings
- Run and Fault Indicator Lights
- Heavy Duty Relay
- Alarm Circuit Contacts
- Remote Control Option
- UL/CSA Listed

#### Remote Communication

Pumptec also features an option for remote communication. With software available from Franklin Electric, a Pocket PC or Palm OS device with an infrared port can be used to remotely monitor and adjust Pumptec settings. Access to a 15-event fault history makes diagnosis of system problems quick and easy.



## PUMPTEC-PLUS

### For installations up to 5 hp.

The Pumptec-Plus solid state pump protection system is designed for 1/2 to 5 hp single-phase submersible pump motors. Pumptec-Plus protects against a variety of fault conditions. Run and fault lights on the cover make diagnosis quick and easy. Push button Snap Shot™ calibration makes Pumptec-Plus simple to install and an effective troubleshooting tool.

#### Additional features:

- Push Button Calibration
- Run and Fault Indicator Lights
- Heavy Duty (30A) Contactor
- Works with PSC, Split-phase CSCR and CSIR motors
- UL/CSA Listed