

Picture may not be representative of actual product.

The Model 233P single-phase PumpSaver®Plus is a pump monitor designed to protect single-phase pumps from dry-well, dead-head, jammed impeller, rapid cycle, overvoltage and undervoltage conditions. The PumpSaver®Plus Model 233P protects 230 volt, 2 or 3 wire, 1/3 to 3 hp pumps.

A calibration adjustment allows the Model 233P to be calibrated to your specific pumping applications, thereby reducing the possibility of false or nuisance tripping. A proprietary microcontroller based voltage, power factor and current-sensing circuit constantly monitors for power fluctuations, overcurrent and underload conditions. When an abnormality, such as loss of suction, is detected, the PumpSaver®Plus deactivates its output relay and directly disconnects the pump motor. The PumpSaver®Plus then begins its user-selectable "Restart Delay" (dry-well recovery) timer. When the timer expires or power is removed and reapplied, the PumpSaver®Plus reactivates its output relay and allows the pump to turn back on.

An infrared LED communicates directly with a hand-held diagnostic tool called the Informer (sold separately).

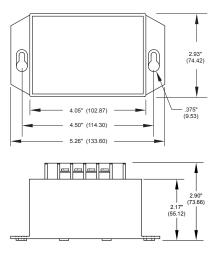
NOTE: The PumpSaver®Plus models have a sensitivity adjustment for the dry-well trip point. After calibration is done, you can adjust the sensitivity for the dry-well/dead-head trip point from 70-90% of the full load. This makes the unit even more adaptable to varying pumping applications. If you have a very low producing well, you increase the sensitivity closer to the 90% mark, or if you have a very heavy producing well, you would decrease the sensitivity around the 70% mark.

Features:

- Protects single-phase pumps from:
 - Dry well
 - Flow restrictions (dead head)
 - Overcurrent (jammed impeller)
 - Overvoltage
 - Undervoltage
 - Rapid cycling
- Ideal for submersible pumps
- State-of-the-art pump protection
- Infrared LED communication to SymCom's Informer
- UL Listed
- 5-year warranty
- Made in USA

Functional Specifications	
Adjustments/Settings Overcurrent Underload (dry-well) Overvoltage Undervoltage Number of restarts allowed in a 60-second period (rapid-cycling) Trip Delay Times	125% of calibration point Adjustable (70 to 90% of calibrated run power) 265VAC 190VAC 4
Overcurrent Dry-well Restart Delay Times Over/ undervoltage All other faults	5 seconds 4 seconds 2 seconds Manual, 2-225 Minutes
Input Characteristics	
Supply Voltage Load Range 233P-1.5 233P Frequency	230VAC 1/3 - 1.5 hp 1/3 - 3 hp 50/60Hz (note: 50Hz will increase all delay timers by 20%)
Output Characteristics	
Output Contact Rating-SPST 233P-1.5 233P	1.5hp@240VAC (10 amps max.) 3hp@240VAC (17 amps max.)
General Characteristics	
Operating Temperature Maximum Input Power Wire Gauge Terminal Torque Standards Passed Electrostatic Discharge (ESD) Surge Immunity Safety Marks CUL Listed Dimensions Weight Mounting Methods	-40° to 55° C (-40° to 131° F) 5 W Solid or Stranded 10 - 22AWG 13 inlbs. IEC 61000-4-2, Level 2, 4kV contact, 6kV air IEC 61000-4-5, Level 4, 4kV line-to-line and line-to-ground UL508, C22.2 No. 14 5.26″ W x 2.93″ H x 2.90″ D 14 oz. #8 screws

Enclosure Dimensions



How to order:

Part Number: 233P-1.5

233P-1.5-ENCL (for more information see spec sheet for ENCL enclosure)

233P

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