

# SINGLE-PHASE PUMP PROTECTION

Pentair Pentek® offers a full range of 1/3 - 15 HP single-phase protectors for residential, commercial, multiple housing, and farm water systems applications where a 4" submersible, 2- and 3-wire motor is used and for above ground pressure-boost applications.

## APPLICATIONS

Five models for your application needs based on horsepower and motor type: SPP-111P, SPP-111-3RLP, SPP-231P, SPP-233P, and SPP-235P.

## FEATURES

Protects pumps from dry well, over-current (jammed impeller), flow restriction (dead head), over-voltage, and under-voltage, rapid cycling.



## ORDERING INFORMATION

CATALOG NUMBER	115 VOLT MODELS		230 VOLT MODELS		
	SPP-111P	SPP-111-3RLP	SPP-231P	SPP-233P	SPP-235P
ENCLOSURE TYPE	Insider	NEMA 3R	Insider	NEMA 3R	NEMA 3R
1-PHASE LINE VOLTAGE	115VAC	115VAC	230VAC	230VAC	230VAC
LOAD RANGE	1/3 - 1/2 HP	1/3 - 1 HP	1/2 - 1 HP	1/2 - 3 HP	5 - 15 HP
FREQUENCY	50 - 60Hz	50 - 60Hz	50 - 60Hz	50 - 60Hz	50 - 60Hz
<b>OPERATING POINTS</b>					
Overload (% of Cal. Point)	125%	125%	125%	125%	125%
Over-voltage Reset Point	132VAC	132VAC	265VAC	265VAC	265VAC
Under-voltage Reset Point	95VAC	95VAC	190VAC	190VAC	190VAC
Trip Delay (Overload)	10 sec.	10 sec.	10 sec.	5 sec.	5 sec.
Trip Delay (Dry Well)	2 sec.	2 sec.	2 sec.	2 sec.	2 sec.
Optional Trip Delay	4 sec.	4 sec.	4 sec.	4 sec.	4 sec.
<b>RESTART DELAY TIME</b>					
Over/Under Voltage Delay	5 Sec.	5 Sec.	5 Sec.	5 Sec.	5 Sec.
All Other Faults (Dry Well REC. Timer)	2 - 225 min.	2 - 225 min.	2 - 225 min.	2 - 225 min.	2 - 225 min.
Output Contact Rating (SPST)	1HP	1HP	1HP (17 amps max.)	3 HP (17 amps max.)	480VA @ 240VAC
Power Consumption (max.)	5 amps	5 amps	5 amps	5 amps	5 amps
Weight w/o Enclosure	10 oz.	-	10 oz.	14 oz.	14 oz.
Weight w/Enclosure	-	1.6 lbs.	-	1.6 lbs.	1.6 lbs.
Enclosure Size	2.2" x 2.8"	6" x 6" x 4"	2.2" x 2.8"	6" x 6" x 4"	6" x 6" x 4"



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