Honeywell HP and HE Series Pressure Switches
Product Nomenclature

Honeywell

For example, a **HPR05500PFNSPAAA01** defines a high pressure switch, rising factory set, non-adjustable set point, 550 psi set point, psig, sealed gage pressure unit, M14 x 1.5 port type, SPST-NO silver contacts output, cold-rolled steel base, glycol-based fluid (EPDM) actuation/application, spade terminal connectors, standard switch, individually boxed units.

HP	R	05500	P	F	N	S	P	AA	A	01
Series	Set Point	Pressure Set Point	Pressure Unit	Port Type	Output	Base	Actuation/ Application	Connector Type	Options	Packaging Options

Series
HP Series, HE Series High Pressure Switch

Set Point
R	Rising factory set, non-adjustable
F	Falling factory set, non-adjustable

Pressure Set Point
10,34 bar to 310,26 bar [150 psi to 4500 psi]

NOTE: Pressure set point is always five digits.

For bar, the set point value will be multiplied by 100 and entered in the listing. For example, 15,45 Bar is noted as 01545. This allows for 2 decimal places.

For psi, the set point value will be multiplied by 10 and entered in the listing. For example, 245.5 psi is noted as 02455. This allows for 1 decimal place.

Pressure Unit
P	psig, sealed gage
B	bar, sealed gage

Port Type
C	1/2-20 UNF*
F	M14 x 1.5**
G	9/16-18 UNF**
H	3/4-16 UNF
K	M18 × 1.5
N	7/8-14 UNF

* not applicable for 10.3 bar to 65,5 bar [150 psi to 950 psi]

** not applicable for 10.3 bar to 24,1 bar [150 psi to 350 psi]

Output
N	SPST-NO, silver contacts
C	SPST-NC, silver contacts
D	SPDT-NO/NC, silver contacts
H	NO, gold inlay contacts
J	NC, gold inlay contacts
K	SPDT(NO/NC), gold inlay contacts

Base
S	Cold-rolled steel
V	Stainless steel

Actuation/ Application
N	Petroleum-based hydraulic fluid (Nitrile)
P	Glycol-based fluid (EPDM)

Connector Type
AA	1/4 in Spade Terminals
BA	Screw Terminals
CA	Deutsch DT04-3P-E005 (3-Pin Connector)
DA	Amp Super Seal 1.5 - 282105-1 (3-Pin Connector)
EA	10-inch Cable, 18 AWG (Wire Out, No Connector)
FA	10-inch Cable w/Deutsch DT04-3P-E005 (3-Pin Connector) (16 AWG)*
GA	10-inch Cable w/Amp Super Seal 1.5 - 282105-1 (3-Pin Connector) (18 AWG)*
HA	10-inch Cable w/Metripack 280 Delphi 15300002 (2-Pin Connector) (18 AWG)*
JA	10-inch Cable w/ Din43650-C (3-Pin Connector) (18 AWG)*
KA	10-inch Cable w/M12x1 (Brad Harrison Micro) - 21032121306 Harting P/N (3-Pin Connector) (18 AWG)*
LA	10-inch Cable w/Packard Weatherpack Male Terminal - 12020827 (3-Pin Connector) (18 AWG)
MA	10-inch Cable w/Deutsch DT04-2P-E005 (2-Pin Connector) (18 AWG)
NA	3-inch Cable w/Packard 2P Tower Connector - 12015792 (2-Pin Connector) (18 AWG)
PA	2.75-inch Cable w/Packard 2P Shroud Connector - 12010973 (2-Pin Connector) (18 AWG)
RA	4-inch Cable w/Packard 2P Shroud Connector - 12010973 (2-Pin Connector) (16 AWG)
SA	5.5-inch Cable w/ITT Cannon 2P Sure-Seal Circular Connector - SS2R-120-1804-000 (2-Pin Connector) (18 AWG)
TA	8.5-inch Cable w/ITT Cannon 3P Sure-Seal Circular Connector - SS3R-120-8551-001 (3-Pin Connector) (16 AWG)*
UA	10-inch Cable - Vacuum Impregnated w/Deutsch DT06-3S-EP06 (3-Socket Connector) (16 AWG)*
VA	10-inch Cable - Vacuum Impregnated w/Deutsch DT04-3P-E005 (3-Pin Connector) (16 AWG)*
WA	4.5-inch Cable w/ 1/4 in Spade Terminals 6,3 mm x 0,8 mm (16 AWG)*
YA	6-inch Cable w/Amp Super Seal 1.5 - 282104-1 (2-Pin Connector) (18 AWG)*
ZA	10-inch Cable w/Deutsch DT06-2S-CE06 (2-Socket Connector) (18 AWG)
AB	Deutsch DT04-2P-E005 (2-Pin Connector)**
BB	10-inch Cable w/Metripack 150 Delphi 12129615 (3-Pin Connector) (18 AWG)*
DB	10-inch Cable w/AMP 2,5 mm System Series Connector 1-967402-1 (18 AWG)*
EB	4.5-inch Cable w/Packard Shroud Connector 12015792 (2-Pin Connector) (18 AWG)
FB	10-inch Cable w/Metripack 150 Delphi 12052641 (2-Pin Connector) (18 AWG)
GB	10-inch Cable w/Deutsch Plug HD 16-3 96S (3-Pin Connector) (16 AWG)*

Options
A	Standard switch
B	With 3 shrink sleeve
C	With shrink sleeve (plastic coating)
D	With shrink sleeve (acrylic coating)
E	With 1/8 watt resistor between terms.
F	304,8 mm [12 in] total wire length
G	With conduit sleeve

Packaging Options
01	Individually boxed units
15	25 individual boxes packed in bulk packaging
20	50 individual boxes packed in bulk packaging
25	25 units in bulk packaging
50	50 individual parts in bulk packaging

NOTE: not all combinations of model code are available.
Please contact your Honeywell provider/representative for assistance.

*These connectors are designed for dual circuit (SPDT) by default. They can be used for single-circuit applications (SPNC/SPNO) by making suitable connections. Refer to wiring diagram.
**Option AB is available only for LP and LE Series.