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 — Series

HP Series
HE Series
(100 psi to 4500 psi), High Pressure Switch

R — Set Point

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

NOTE:
Set point below 100 psi is available only with HP Series (Body Style B).

05500 — Pressure Set Point

6,89 bar to 310,26 bar [100 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.

P — Pressure Unit

P	psig, sealed gage
B	bar, sealed gage

F — Port Type

A	1/4-18 NPT
B	1/8-27 NPT
C	1/2-20 UNF
E	M12 x 1.5
F	M14 x 1.5
G	9/16-18 UNF
H	3/4-16 UNF
K	M18 x 1.5
M	7/16-20 UNF
N	7/8-14 UNF
P	1/2-14 NPT
T	M10 x 1.0
Y	G1/4 BSPP

Port Style C: Switches less than 975 psi will use Base Style B; switches greater than 975 psi will use Base Style A.
Port Styles F and G: Switches less than 350 psi will use Base Style B; switches greater than 350 psi will use Base Style A.
Port Styles A, B, E, M, P, T, and Y will use Base Style B.
Switches less than 150 psi will use only Base Style B.

N — 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
E	NO, with 510 Ω/ 0.5 W & 160 Ω/ 0.5 W resistors
F	NC, with 3000 Ω/ 0.125 W resistor

S — Base

S	Cold-rolled steel

P — Actuation/ Application

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

AA — 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)
XA	10-inch Cable w/ Metripack 2-Pin Shroud Connector 153000027 (18 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)
BB	10-inch Cable w/Metripack 150 Delphi 12129615 (3-Pin Connector) (18 AWG)
CB	6-inch Cable w/ AMP Super Seal 1.5 - 282080-1 (2-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	8.5-inch Cable w/Deutsch Plug HD 16-3 96S (3-Pin Connector) (16 AWG)*

*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.

A — Options

A	Standard switch
B	With 3 shrink sleeve
C	With shrink sleeve (plastic coating)
D	With shrink sleeve (acrylic coating)
F	304,8 mm [12 in] total wire length
G	With conduit sleeve
H	With Vibra seal for port threads
J	#8-32 screw with external tooth lockwasher***
K	914,4 mm [36 in] total wire length
L	304,8 mm [12 in] total wire length with acrylic sleeve
M	914,4 mm [36 in] total wire length with acrylic sleeve

*** For screw terminal option only

01 — Packaging Options

01	Individually boxed units*
02	Individually boxed units**
15	25 individual boxes packed in bulk packaging*
16	25 individual boxes packed in bulk packaging**
20	50 individual boxes packed in bulk packaging*
21	50 individual boxes packed in bulk packaging**
25	25 units in bulk packaging*
26	25 units in bulk packaging**
50	50 individual parts in bulk packaging*

* Not applicable for HP Series (Base Style B)
** Not applicable for HP (Base Style A) & HE Series

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

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