

FF 4 Series

PRESSURE SWITCH

RANGE

0.11 ...
32 bar

SWITCH

**Changeover
Contact**

MEDIA

**Liquid
Gas**



SPECIFICATION

MODEL	FF 4 Series
MEDIUM	Oil Water Air and non-aggressive, non-combustible gases
SWITCH FORM	1 changeover contact
CONNECTION	3/8"PF Female 1/2"PT Male available*
CABLE GLAND	PG 13.5 / M20
MEDIA TEMPERATURE	max. 70°C
AMBIENT TEMPERATURE	-20 to 70°C
PROTECTION TYPE	IP54 [rubber grommet] IP65 [cable glands PG13.5/M20]
DIAPHRAGM MATERIAL	Perbunan
APPROVAL	CE DNV*

*=Optional



Adjustable set point

ELECTRICAL RATING

Rated operating current at	12 V	24 V	60 V	110 V	230 V	400 V
AC 1					16 A	10 A
AC 15					6 A	4 A
DC 13	6 A	1 A	0.5 A	0.2 A	0.1 A	
Permissible motor power 1-230V	0.55 kW					

TYPES

Order reference	Upper switch pt. adjustable [bar]	Lower switch pt. adjustable [bar]	Smallest diff.* [bar]	Max. operating pressure [bar]
FF 4-2	0.11 ... 2	0.04 ... 1.89	0.07 0.11	20
FF 4-4	0.22 ... 4	0.07 ... 3.75	0.15 0.25	24
FF 4-8	0.5 ... 8	0.2 ... 7.5	0.3 0.5	30
FF 4-16	1 ... 16	0.4 ... 15	0.6 1	36
FF 4-32	2 ... 32	0.8 ... 30	1.2 2	52

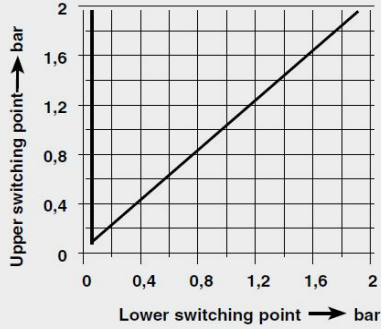
* at lower ... higher end of range

PRESSURE DIAGRAMS

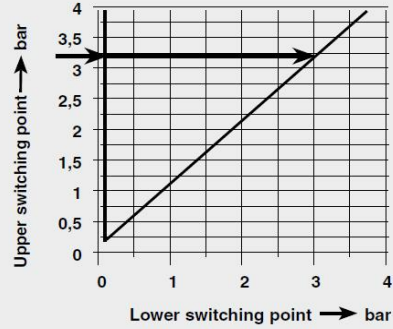
Charts show the smallest adjustable differential.

Example per figure FF 4-4 : If upper setting is at 3.25 bar, lower setting can be adjusted between 0.07 and 3.0 bar.
(see arrows in the drawing)

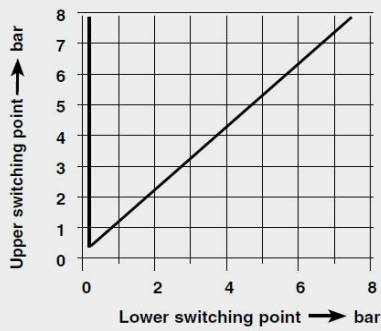
FF 4-2



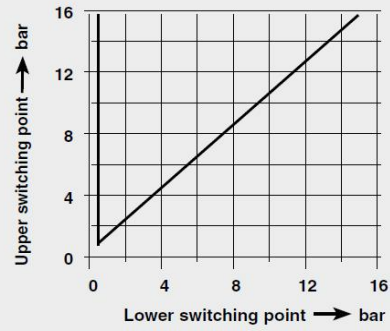
FF 4-4



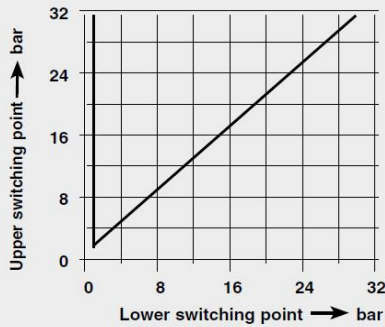
FF 4-8



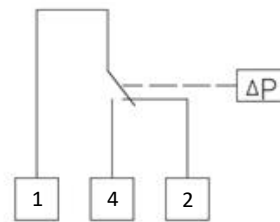
FF 4-16



FF 4-32



※ Circuit diagram

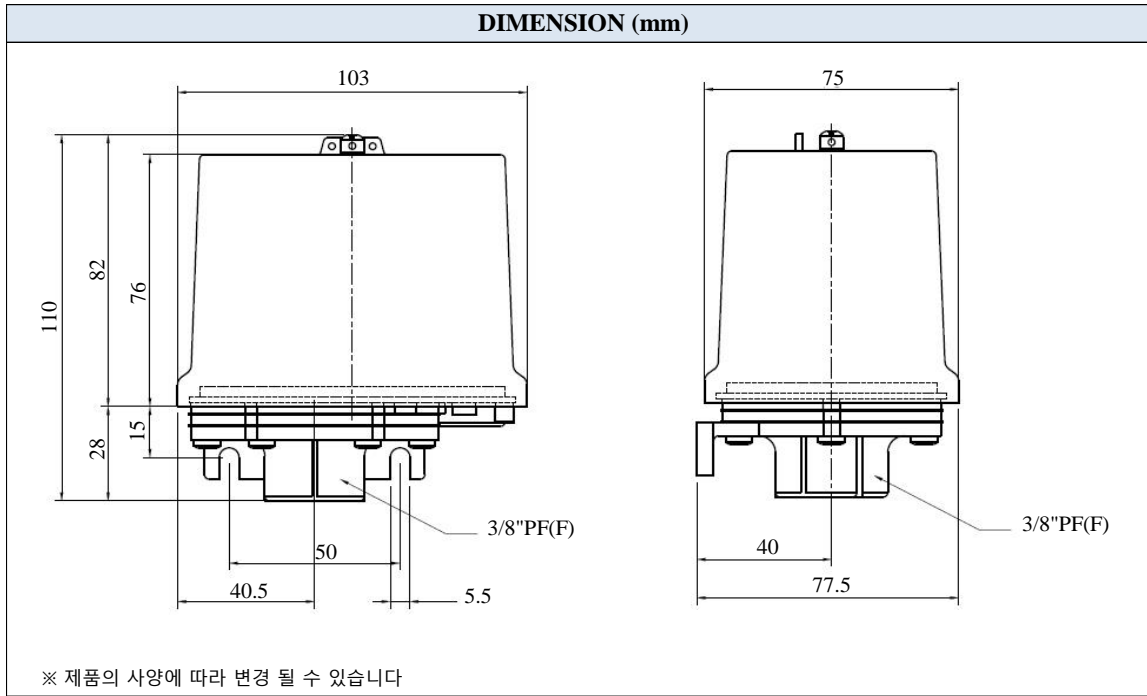


ACCESSORY



NIPPLE
316SS
250bar at 25°C
3/8"PF [M] x 1/2"PT [M]

| FLOW | | PRESSURE | | TEMPERATURE | | AC | | DC | | BATTERY | | OUTPUT | | CONTACT | | DISPLAY |



Ordering Information

Pressure switch with perbunan diaphragm

Model	Part No.
FF 4-2 DAH	1010061
FF 4-4 DAH	1010062
FF 4-8 DAH	1010078
FF 4-16 DAH	1010081
FF 4-32 DAH	1010076

Pressure switch with perbunan diaphragm [DNV]

Model	Part No.
FF 4-2 GL DAH	1010122
FF 4-4 GL DAH	1010020
FF 4-8 GL DAH	1010031
FF 4-16 GL DAH	1010117
FF 4-32 GL DAH	1010026