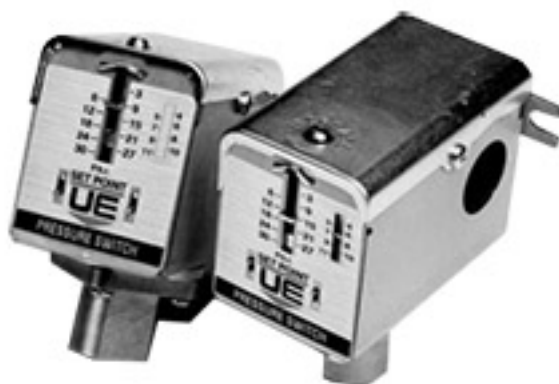


25-A, 25-B, 25-C и др.

Реле давления с настраиваемым гистерезисом серии 25. Технические характеристики.



По вопросам продаж и поддержки обращайтесь:

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Москва (495)268-04-70
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25 Series

25 Series

OVERVIEW

The 25 Series is a low cost pressure switch featuring an externally adjustable set point and an internally adjustable deadband. It offers a self contained solution for direct control of AC loads up to 20 amps with adjustable pressure ranges up to 475 psi.

The adjustable set point and deadband feature is a real benefit for applications where a full function logic controller would not be necessary. Technicians can make on-the-fly corrections during development testing, start-up or maintenance. The compact design and low cost also makes the 25 Series well suited for installation on OEM equipment or in panels.

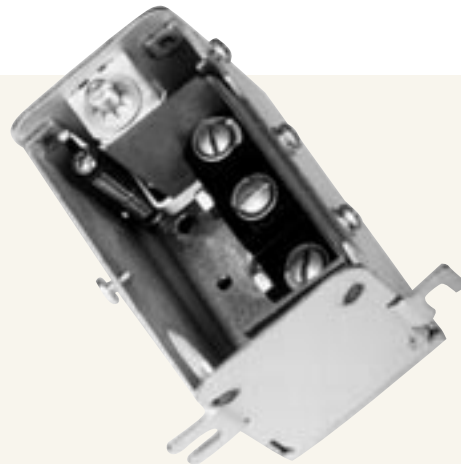
FEATURES

- **External Adjustment**
- **Adjustable Deadband**
- **Compact Construction**
- **All Metal Enclosure**

The 25 Series features proven diaphragm sensing technology, a 20 amp snap-acting switch, and adjustable ranges up to 475 psi, highlighting its versatility. The 25 Series is cULus listed and is available with a Buna-N, Viton® or EPDM diaphragm pressure sensor. The switch comes with a standard brass pressure connection; however, other materials are available for volume applications. All models achieve a rated proof pressure of 600 psi and are contained in a NEMA housing. The robust design provides repeatability of $\pm 1\%$, even when subjected to shock and vibration.

Internal Deadband
Adjustment

SPDT, 20 amp
Snap-acting switch



External Set Point
Adjustment

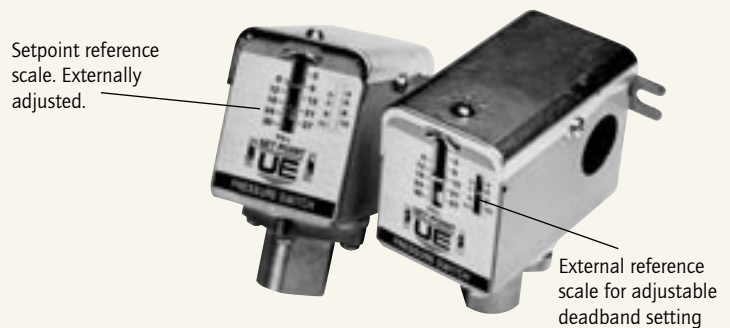
High Pressure
Protection

Mounting Ears



APPLICATIONS

The 25 Series Adjustable Pressure Switch offers an easy to install solution for direct control of HVAC fans and blowers, as well as control of pumps, compressors and valves. The switch is ideal for alarm and shutdown applications where the user must protect people, equipment or the environment.



TECHNOLOGY

The 25 Series relies on simple, but dependable technology to achieve its purpose: a cost-effective, ideal product for direct pump monitoring/control and similar applications. The 25 uses a diaphragm to sense changes in pressure, which are transmitted through a lever to the 20A snap-action switch. Changes to set point are accomplished easily while the unit is under pressure through the external adjusting screw. This adjustment "pre-loads" the lever, which results in excellent vibration-resistance. On many models, the deadband (the difference between actuation and de-actuation) is also field adjustable, giving the user flexibility in configuring the product to the application.



25 Series

25 Series

SPECIFICATIONS

STORAGE TEMPERATURE	-65 to 160°F (-54 to 71 °C)
OPERATING AMBIENT TEMPERATURE	0 to 160°F (17 to 71 °C) Set point shifts less than 1% of range for a 50°F (28°C) ambient temperature change
MAXIMUM MEDIA TEMPERATURE	Buna-N sensor: 200°F (93°C) Viton® sensor: 250°F (121 °C) EPDM sensor: 250°F (121 °C)
ENCLOSURE	Zinc plated steel with bright chromate finish
ENCLOSURE CLASSIFICATION	Complies with enclosure type 1
SHOCK	Set point repeats after 15 G, 10 millisecond duration
VIBRATION	Set point repeats after 2.5 G, 5 to 500 Hz
SET POINT REPEATABILITY	Typically ±1% of span
SWITCH OUTPUT	One SPDT, snap-acting switch
ELECTRICAL RATINGS	20 A @ 480 VAC resistive 1 HP @125 VAC Resistive, adjustable deadband versions (choice F) 2 HP @250 VAC Resistive, adjustable deadband versions (choice F)
ELECTRICAL CONNECTION	7/8" hole for optional NPT conduit connector
WEIGHT	16 oz.
PRESSURE CONNECTION	1/4" NPT female Brass, or 1/8" NPT female Brass
MOUNTING	Surface mount with two screws through clearance holes, or mount by pressure connection Viton is a registered trademark of E.I. DuPont Company.

MODEL CHART

Adjustable Deadband Version - Deadband Choice A

Model	Adjustable Range*				Adjustable Deadband Range				Max. Working Pressure		Proof Pressure	
	Low end of range on fall		High end of range on rise									
	psi	bar	psi	bar	psi	bar	psi	bar	psi	bar	psi	bar
A	3	0,2	30	2,1	5	0,3	11	0,8	30	2,1	600	41,4
B	20	1,4	200	13,8	20	1,4	70	4,83	200	13,8	600	41,4
C	25	1,7	475	32,8	35	2,4	140	9,7	475	32,8	600	41,4

Fixed Deadband Version - Deadband Choice F

Model	Adjustable Range*				Fixed Deadband Tolerance				Max. Working Pressure		Proof Pressure	
	Low end of range on fall		High end of range on rise									
	psi	bar	psi	bar	psi	bar	psi	bar	psi	bar	psi	bar
A	3	0,2	30	2,1	2	0,1	5	0,3	30	2,1	600	41,4
B	20	1,4	200	13,8	4	0,3	10	0,7	200	13,8	600	41,4
C	25	1,7	475	32,8	10	0,7	25	1,7	475	32,8	600	41,4

* Value indicated on dial is the set point on falling pressure.

Deadband represents the reset point above this setting. Dial setting plus deadband must not exceed adjustable range.



25 Series

25 Series

HOW TO ORDER

Select a single letter or number "Code" to make up a part number.

25	A	1	F	2	A	M201
Series Designation	Model/Range	Number of Switches	Pressure Connection	Sensor Material	Deadband	Miscellaneous Options

(Example of "Code") 25 A 1 F 2 A M201

COMPONENTS

SERIES DESIGNATION

25

DESCRIPTION

Designation for 25 Series product line

MODEL/RANGE

A
B
C

3 to 30 psi
20 to 200 psi
25 to 475 psi

NUMBER OF SWITCHES

1

(1) SPDT snap-switch, 20 A @ 480 VAC resistive

PRESSURE CONNECTION

E
F

1/8" NPT(female), Brass Pressure Connection
1/4" NPT(female), Brass Pressure Connection

SENSOR MATERIAL

2
3
4

Buna-N
Viton®
EPDM

DEADBAND

F
A

Fixed
Adjustable

MISCELLANEOUS OPTIONS

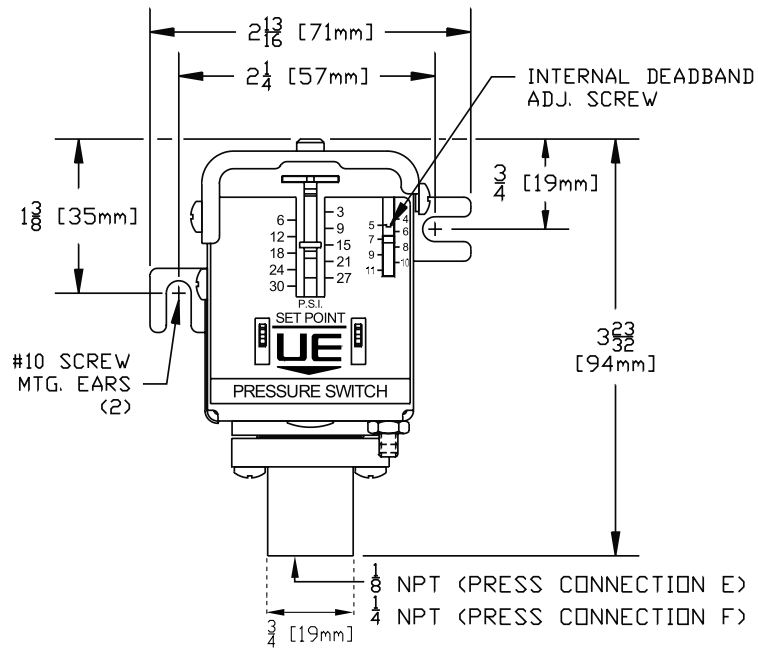
M201
M230*
M444
M446

Factory set point
Set adjustable deadband
Paper tag
Stainless steel tag

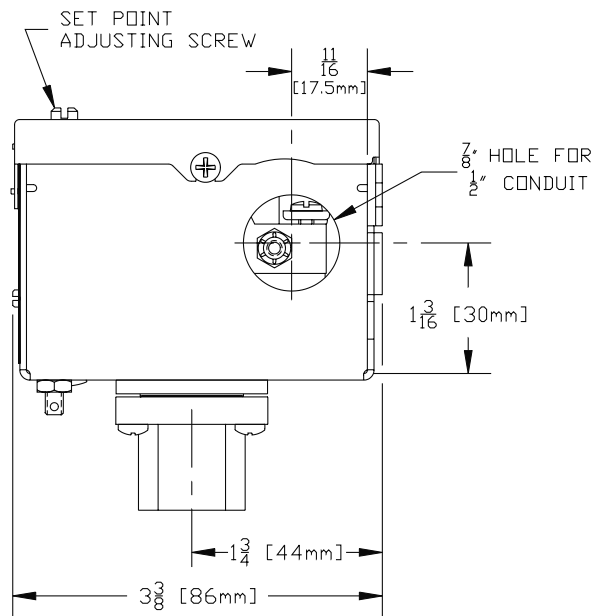
* Do not specify M201 when specifying M230

DIMENSIONAL DRAWINGS

Front View



Side View



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