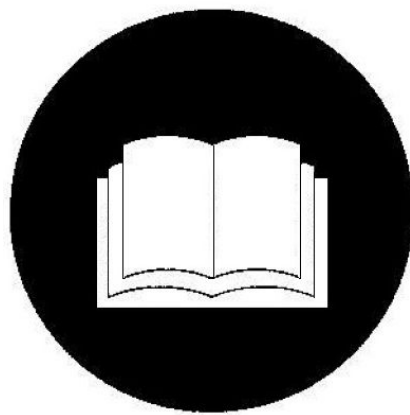


Pressure Switch of CE series

Product specification

&

Instruction manual



ACT

ACT ELECTRIC INDUSTRY CO.,LTD.

昆山瑞腾精密自动化有限公司

Pressure Switch CE Series

This Pressure Switch has been developed upon the basic design philosophy and for the export to the U.S.A and European countries.

UL standard acquired European safety standard acquired IP66 protection class approved.

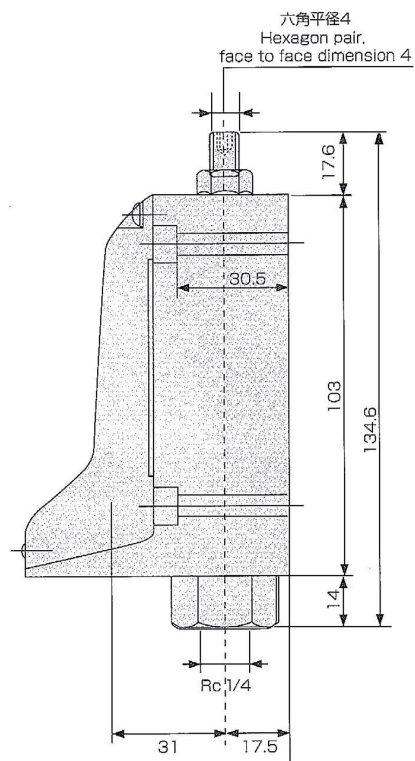
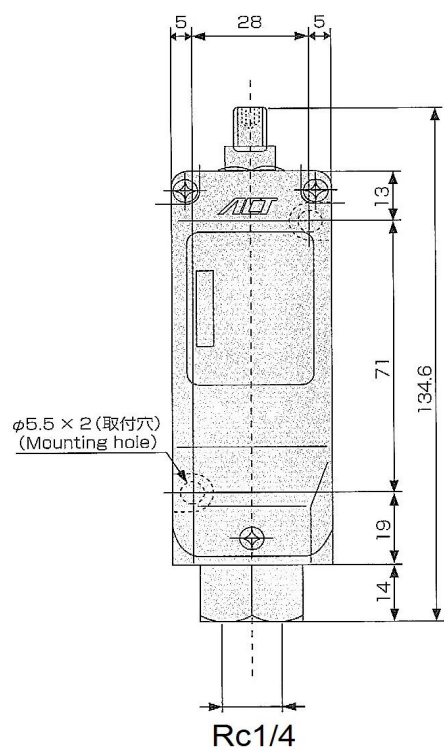


Features

- CE Marking European Safety Standard approved.
- UL standard recognized.
- Compact pressure switch characterized by miniature size and lightweight.
- A newly developed model to ensure outstanding stability and durability for frequent use.
- Extended lifecycle by mechanical and electrical parts.
- Dust and water proof protection class.(IP66)
- Simple pressure setting scale design for easy setting.
- Fast clip-in design electrical circuit board.
- Dry type, no orifice connection required.

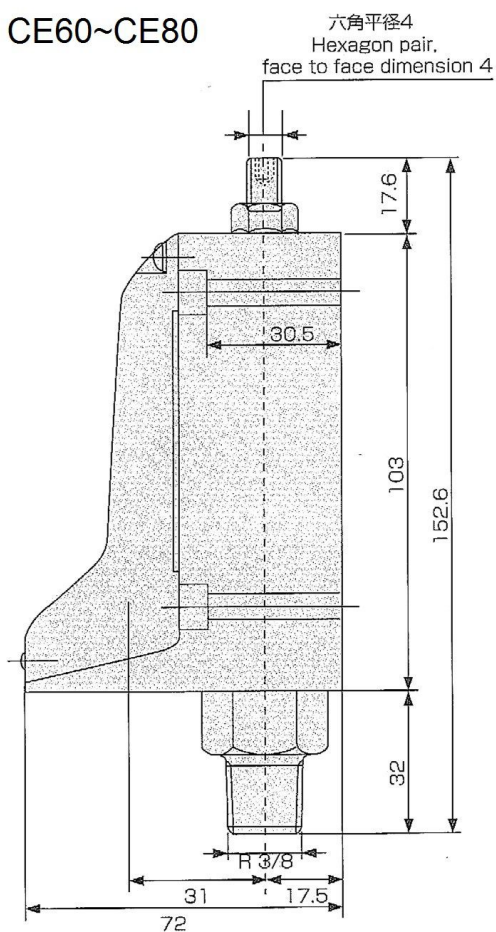
Outline drawings

CE6~CE40

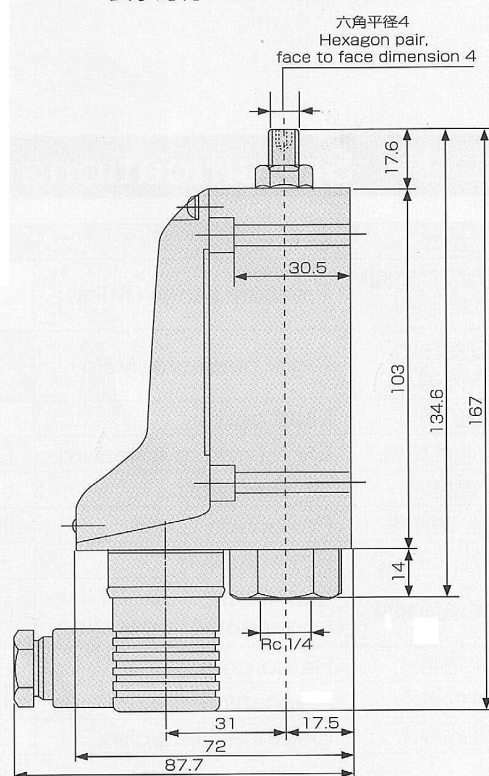


Dimension in mm

CE60~CE80



表示灯付 With LED Indicator



(CE60、CE80の接続口径はR3/8となります。)
(CE60 & CE80 used R3/8 connection port)

Model Number Designation

CE	25	—	R	K	E	S	D
①	②		③	④	⑤	⑥	⑦

① Series

② Pressure setting range (Max value of the pressure setting range)

③ Fluid port sizes

No code : Rc1/4 (CE6~CE40)

R : R3/8 (CE60~CE80)

G : G3/8 Option

④ Electrical rating

No code : Standard load type (250VAC-3A)

K : Micro load type (30VDC-0.1A)

⑤ Electric wire connection

No code : G1/2

E : PG13.5

⑥ Case color

No code : Blue (Standard)

S : Silver

Y : Yellow

⑦ DIN Plug indicator (Optional)

No code : Without LED indicator

A1 : With LED indicator (100VAC)

A2 : With LED indicator (200VAC)

D : With LED indicator (24VDC)

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Specifications						
Series	CE6	CE16	CE25	CE40	CE60	CE80
Pressure range (MPa)	1~6	2~6	3~25	4~40	6~60	8~80
Proof pressure (MPa)	50			80	120	
Fluid port	Rc1/4				R3/8	
EN reference standard	EN982、EN60204-1、EN61058-1、EN-60529					
UL Standard	(508)E212029			—		
Protection Class	With DIN terminal (IP65)					
Accuracy	±2%F.S					
Maximum frequency of operation	60Cycles/minute (Electrical)					
Rated current	250VAC、3A : 125VAC、5A					
Mechanical lifecycle	10 million operations or more					
Electrical lifecycle	2 million operations or more (Refer to Electrical service life curve)					
Fluid	Clean petroleum base mineral oil ISO VG32~46 (Contact us when fire-resistant fluid is in use.)					
Differential pressure setting	Fixed differential pressure type					
Shock resistance	Max.300m/s² (about 30G)					
Vibration resistance	Composite amplitude 1.5					
Ambient temperature	-20~80℃ on condition that there is no bedewing at a low temperature range					
Mounting position	All directions					
Weight	550g				590g	

Electrical Requirements at Contact Points

Standard load type			Micro load type		
AC	125VAC 250VAC	5A 3A	AC	125VAC	0.1A
DC	30VDC 125VDC	3A 0.4A	DC	30VDC	0.1A

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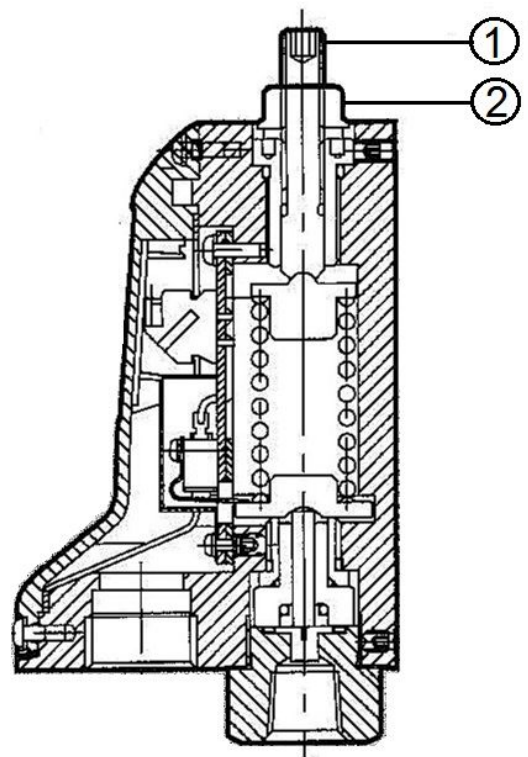
Adjusting Set Pressure

High-pressure setting, in the course of pressure increase, and low pressure setting, in the course of pressure decrease, can be done by rotating the adjusting bolt ①, according to the following procedure.

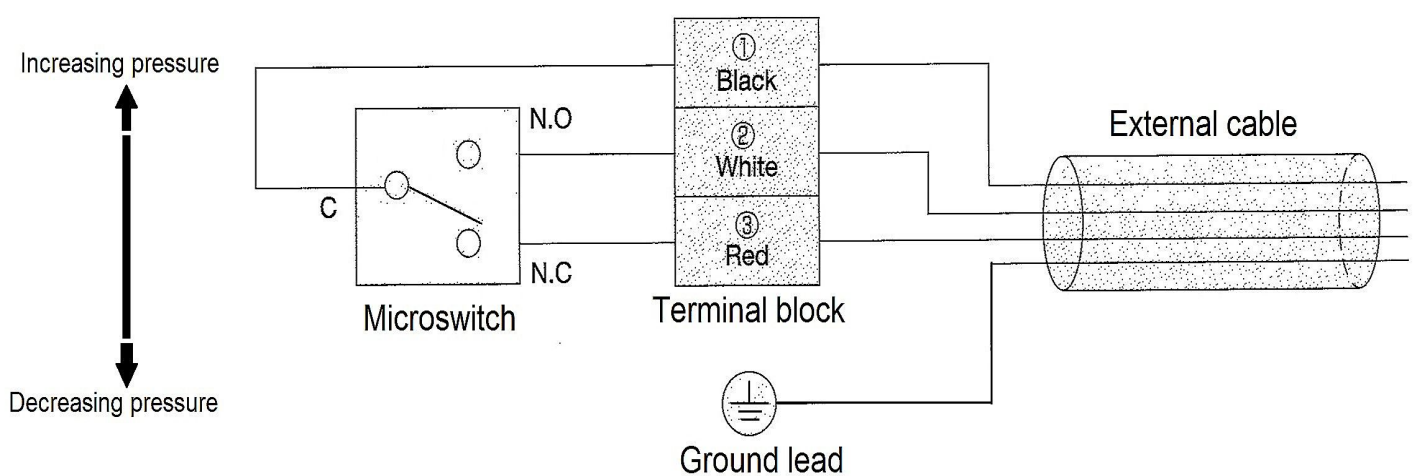
Loosen the locknut ② first. Rotate the adjusting bolt ① with an open end wrench.

Clockwise rotation allows high-pressure setting

And counterclockwise rotation does low-pressure setting. Remember ! After the setting work, be sure to tighten the locknut ②.



Electrical wiring method



Screwless Terminal Block

It has a cable installed between the conductive fitting and the spring. Electrical circuit will be made by the spring force directly or through a spring seat.

Current	300v-7A	
Cable specification	Solid cable of \varnothing 1.0mm	
	Solid cable of \varnothing 0.75mm	
Available cable	Solid cable of \varnothing 0.4~ \varnothing 1.2mm (AWG26-18)	
	Solid cable of \varnothing 0.3~ \varnothing 0.75mm (AWG22-20)	
Stripping length	