

KC01 Electronic Pressure Switch

Operating instructions

Pressure control principle:

This pressure switch has an opto-isolated output. An upper limit value and a lower limit value can be set by two keys respectively. The output turns on when the measured pressure is higher than the upper limit value; The output turns off when the measured pressure is lower than the lower limit value.

The power supply and the output wires are opto-isolated, so the output load can be connected into the NPN form, and can also be connected as PNP forms.

Reverse output logic or window output or special control logic are available according to user's request.

Status of the LED Indicator:

This pressure switch has a red/green bi-color LED Indicator in the middle of the two keys. The color of the LED looks like orange when the red and green light at the same time.

- | Green light: Indicating power on, measured pressure below the upper limit, output off.
- | Red light: Indicating measured pressure higher than the lower limit, output on.
- | Orange slow flicker: Indicating in setup mode. Also indicate that the lower limit value is less than the upper limit value. The output is hysteresis control.
- | Red light slow flicker: Indicating in setup mode; Also remind that the lower limit value is greater than the upper limit value; The lower limit value doesn't work, only the upper limit value in action, no hysteresis.
- | Red light quick flicker: Indicate that the measured pressure is out of range.

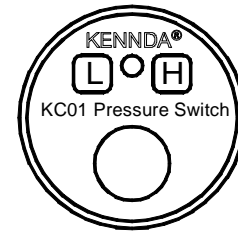
Key operations:

[L] key: Lower limit set key: In setup mode, hold down the **[L]** key for 5 seconds, triggering the light turns green for 2 seconds, and the current pressure is set to the lower limit value.

[H] key: Upper limit set key: In setup mode, hold down the **[H]** key for 5 seconds, triggering the light turns red for 2 seconds, and the current pressure is set to the upper limit value.

Enter/Exit setup mode: In non-setup mode, hold down the **[L]** and **[H]** keys simultaneously for 5 seconds, will enter the setup mode. In the setup mode, the pressure control still works as usual.

It will exit setup mode automatically after 10 minutes if there is no key operation. Another way to exit the setup mode is holding down the **[L]** and **[H]** keys simultaneously for 2 seconds.



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Technical Data

Model description: KC01 - 10 - M14

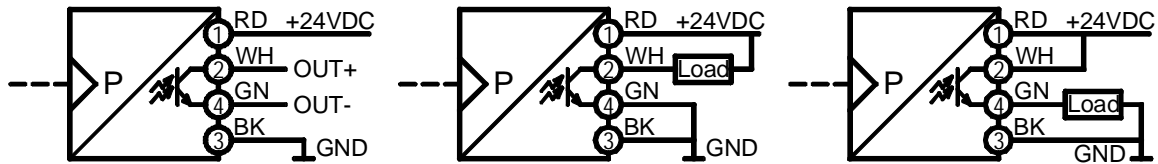
① ② ③

- ① - KC01: KENNDA® KC01 series electronic pressure switch.
② - 10: pressure range, MPa. Optional 1,2,4,10,20,40,60 MPa, etc.
③ - M14: Fix thread type and dimension. Optional M14, M20, G1/4, R1/4, etc.

Specifications:

Power Supply	Max. Output Current	Max. Load Voltage	Sensor Accuracy	Response Frequency	Operating Temperature	Protection Class
DC12~26V	200mA	DC50V	1%	1000Hz	-20℃~+80℃	IP65

Wiring Diagrams:



Mechanical Drawings:

