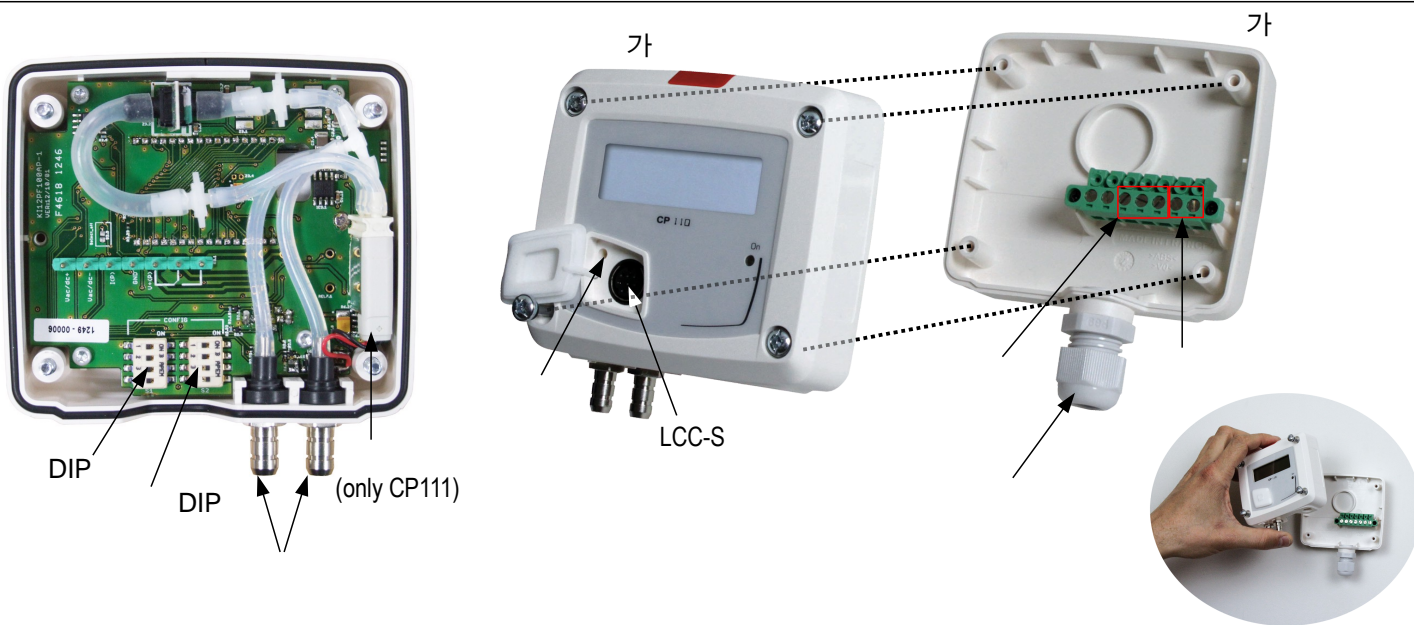




/	<ul style="list-style-type: none"> <li>- active sensor 0-10 V or 4-20 mA (alim. 24 Vac/Vdc <math>\pm</math> 10%), 3-4 wires</li> <li>- passive loop 4-20 mA (power supply 16/30 Vdc), 2 wires</li> <li>- maximum load : 500 Ohms (4-20 mA)</li> <li>- minimum load : 1 K Ohms (0-10 V)</li> </ul> <p>2 VA (0-10 V) or max. 22 mA (4-20 mA)</p>
	EN61326
	Screw terminal block for cables $\varnothing$ 0.05 to 2.5 mm <sup>2</sup>
PC	Kimo USB-mini Din cable
	Air and neutral gases

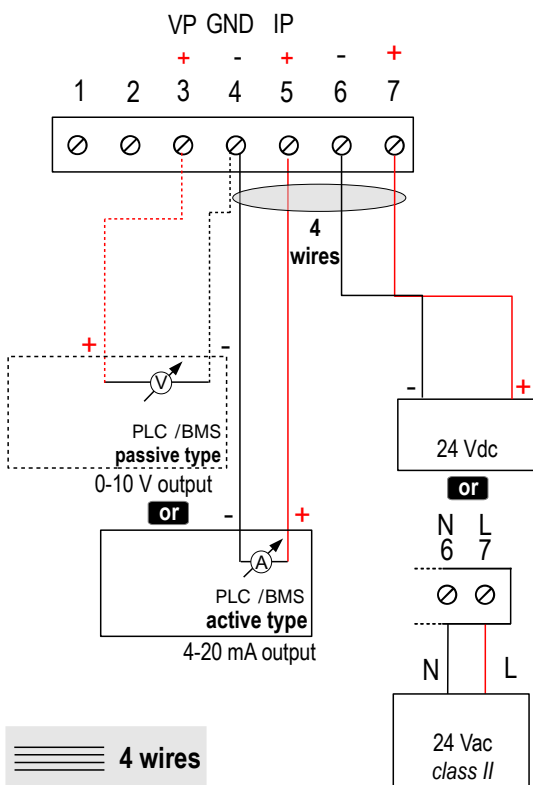


- NFC15-100 standard

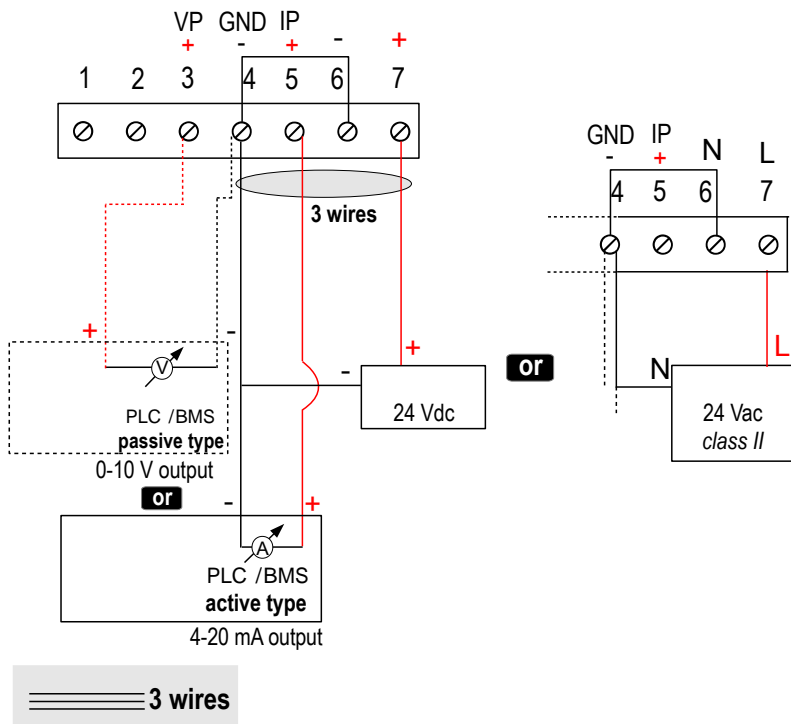


This connection must be made by a qualified technician. **To make the connection, the transmitter must not be energized.**

For CP111/112/113 – AO models and CP111/112/113 – AN models with 0-10 V or 4-20 mA output – active, 4 wires :



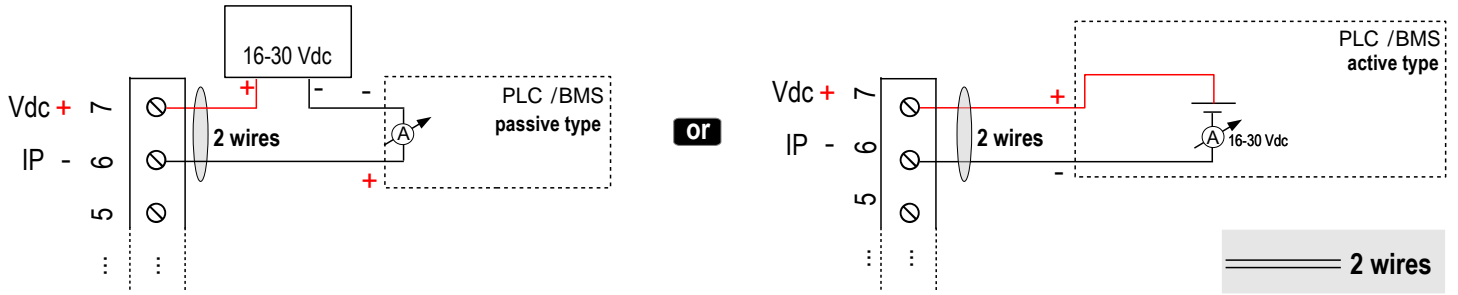
To make a 3-wire connection, before powering up the transmitter, please connect the output ground to the input ground. See drawing below.



4 wires

3 wires

For CP112/113 – PO models and CP112/113 – PN models with 4-20 mA output – **passive** :



> **Auto-calibration**

CP 111 pressure transmitter has a temperature compensation of the gain from 0 to 50 °C and an auto-calibration process that guarantees over the time an excellent stability and a perfect reliability of the measurement on low and high ranges.

Auto-calibration principle : the microprocessor of the transmitter drives a solenoid valve that compensates the possible drifts on the sensitive element over the time. The compensation is performed by the permanent adjustment of the zero. So the measurement of the differential pressure is then independent from the environmental conditions of the transmitter.

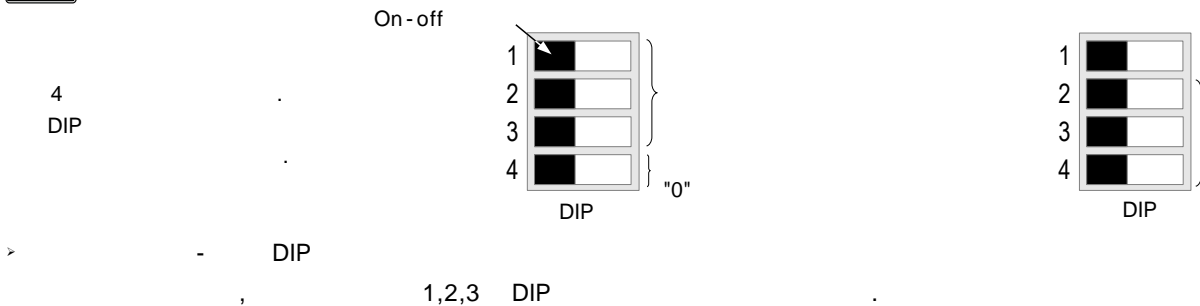
**Advantage** : no drift

**Frequency of auto-calibration** : resetable or from 1 to 60 minutes

2 " " "Auto.Z"

CP111 2 가  
When an autozero has been performed, "On" green light turns off then turns on, and on transmitters equipped with a display, "autoZ" is displayed.

To configure the transmitter, it must not be energized. Then, you can make the settings required, with the DIP switches (as shown on the drawing below). When the transmitter is configured, you can power it up.



Type of transmitter	Combination 1			Combination 2			Combination 3			Combination 4			Combination 5		
	CP111	CP112	CP113	CP111	CP112	CP113	CP111	CP112	CP113	CP111	CP112	CP113	CP111	CP112	CP113
Pa	20	100	1000	30	250	2500	40	500	5000	50	750	7500	100	1000	10000
mmH <sub>2</sub> O	2.0	10.0	100.0	3.0	25.0	250.0	4.0	50.0	500	5.0	75.0	750.0	10.0	100.0	1000.0
mbar	0.2	1	10.00	0.3	2.5	25.00	0.4	5.0	50.00	0.5	7.5	75.00	1.00	10.00	100.00
inWG	0.08	0.40	4.00	0.12	1.00	10.00	0.16	2.00	20.00	0.20	3.00	30.00	0.40	4.00	40.00
mmHg	0.20	0.80	8.00	0.22	2.00	20.00	0.30	4.00	40.00	0.40	6.00	60.00	0.80	8.00	80.00
daPa	2.0	10.0	100	3.0	25.0	250.0	4.0	50.0	500.0	5.0	75.0	750.0	10.0	100.0	1000.0
kPa	0.020	0.100	1.00	0.030	0.250	2.50	0.040	0.500	5.00	0.050	0.750	7.50	0.100	1.000	10.00
hPa	0.20	1.00	10.00	0.30	2.50	25.00	0.40	5.00	50.00	0.50	7.50	75.00	1.00	10.00	100.00

- CP111 +/- 100Pa
- CP112 +/- 1000Pa
- CP113 +/- 10000Pa

Example :

- 0 ~ 750mmH<sub>2</sub>O 750mmH<sub>2</sub>O
- -500 Pa ~ +500 Pa 1000Pa

/ "0" - DIP  
 4 DIP  
 ) 0-100 Pa : /0  
 "0"



(0 / 100 Pa)  
 (-50 Pa / 0 / +50 Pa)

	Full scale	Central zero



DIP  
 "CONF ERROR"

DIP

DIP (CP111/112/113 - AO and CP111/112/113 - AN models)

	4-20 mA	0-10 V
1		
2		
3		
4		

1

DIP

2,3,4

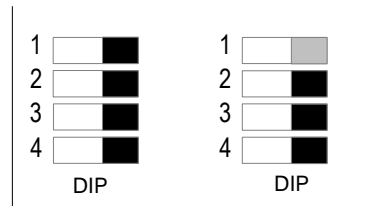
	Pa	mmH <sub>2</sub> O	mbar	InWG	mmHG	daPa	kPa	hPa
1								
2								
3								
4								

(LCC-S software )

DIP

PC

LCC-S



- DIP LCC100 가 가

ABS

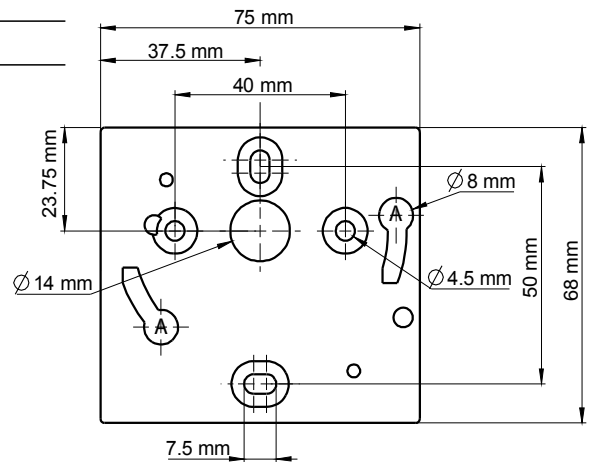
6mm 가

"A"

30



가



- KIAL-100A : Class2 , 230Vac input, 24Vac output
- LCC-S : USB

- Connection tube
- Connection fittings
- Through-connections
- Straight connections
- Spherical coupling nut

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