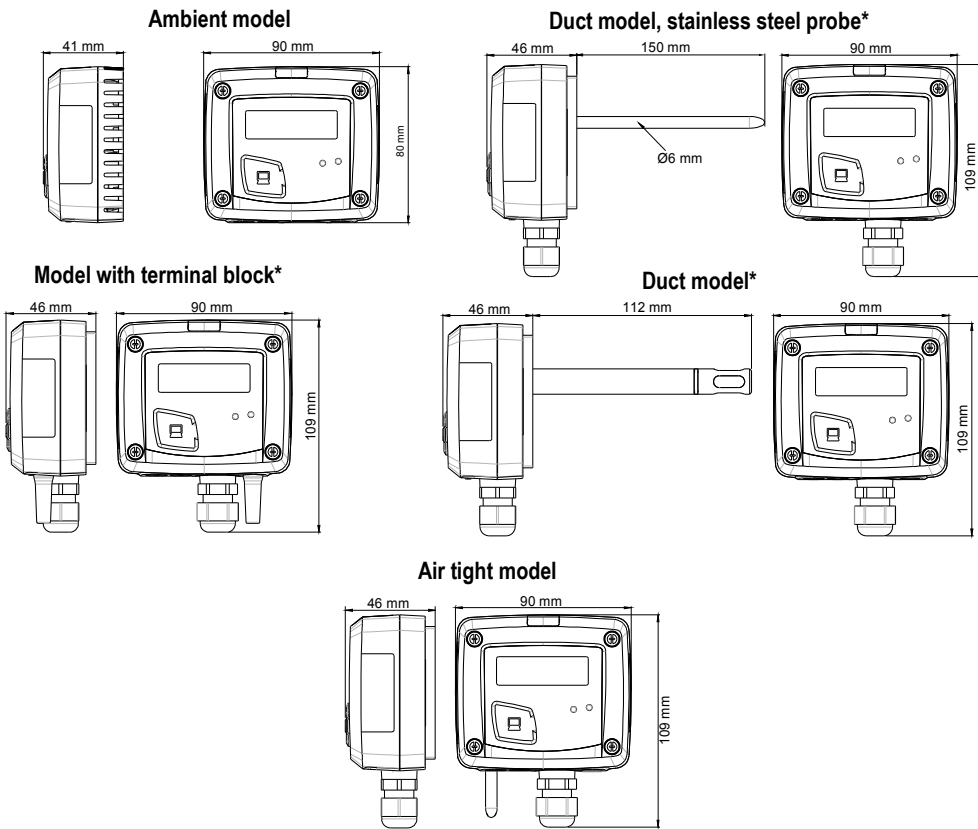


TM 110



- 0~+50 (ambient model), -20 ~ +80 (duct and air tight models)
- 100 ~ +400 (model with Pt100 terminal block)
- 0~10V active , 24 Vac/Vdc (3-4 wires)
- or 4-20 mA passive loop , 16~30 Vdc (2wire)
- ABS V0 , IP65(remote,air tight and duct models), IP20(ambient model)
- 가
- "¼ turn" system mounting with wall-mount plate
-



*different probes are available as option

: ABS V0 as per UL94

:
- duct and air tight models and model with terminal block : IP65
- ambient model : IP20

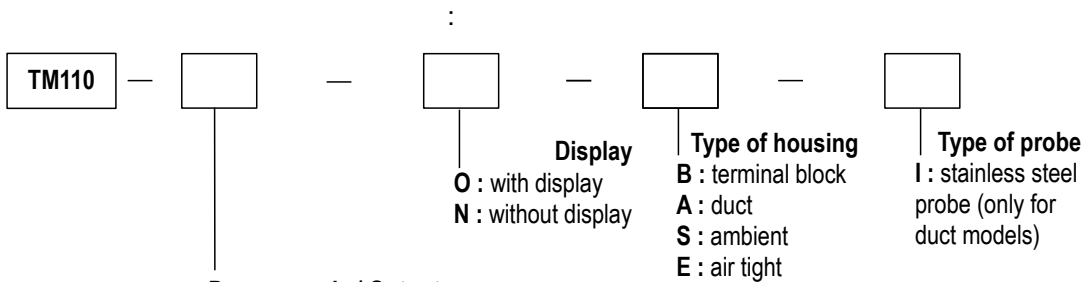
:
LCD 10 digits. Size : 50 x 17 mm

Height of digits : Values : 10 mm ; Units : 5 mm

(remote and duct models with terminal block)
For cables Ø 8 mm maximum

: 162 g

: length 2 m and Ø 4.8 mm in PVC



Example : TM110-POB

TH110

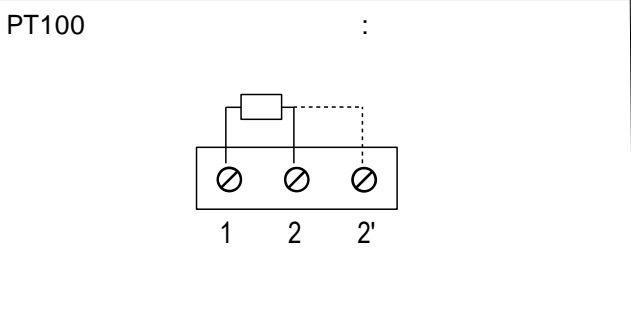
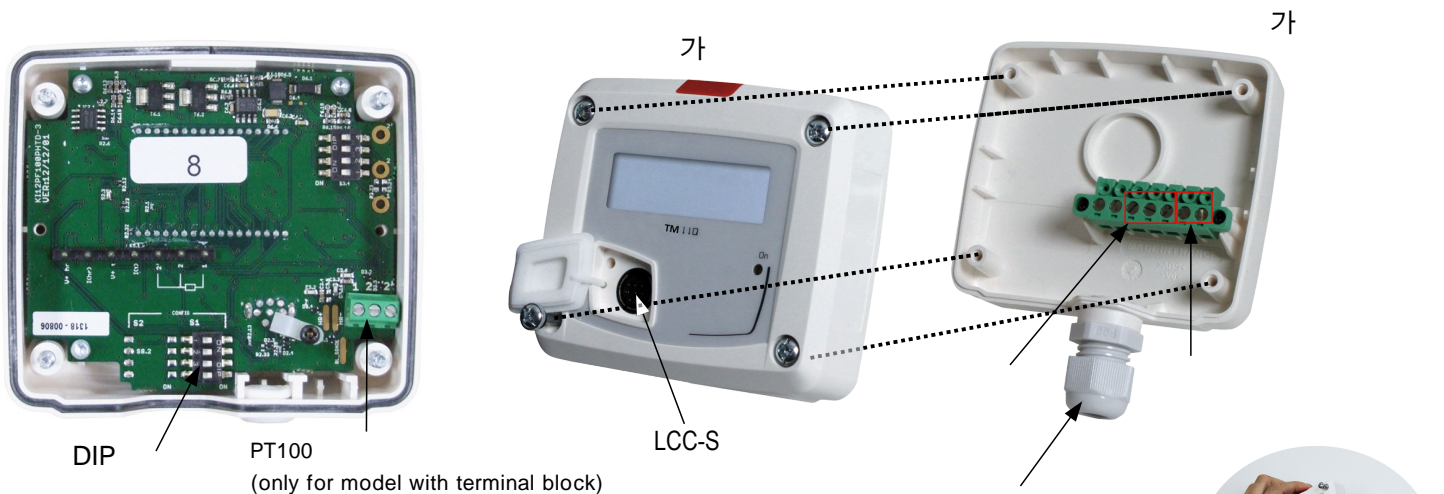
4-20mA passive

, terminal block

	°C, °F
	From 0 to 50 °C (ambient model), from -20 to +80 °C (duct and air tight models) and from -100 to +400 °C (model with terminal block)
	Pt100 : ±0.5 % of reading ±0.5 °C NTC : ±0.3°C (from -40°C to 70°C) ; ±0.5°C (outside the -40 to +70°C temperature range)
	Pt100 (model with terminal block and stainless steel duct and air tight models) NTC (ambient model and duct model)
	1/e (63%) 5 sec. (ambient) 1/e (63%) 20 sec. (airtight)
	0.1 °C
	Air and neutral gases
	From 0 to +50 °C
	From -10 to +70 °C

*All the accuracies indicated in this technical datasheet were stated in laboratory conditions, and can be guaranteed for measurements carried out in the same conditions, or carried out with calibration compensation.

/	- active sensor 0-10 V (power supply 24 Vac/Vdc ± 10%), 3-4 wires - passive loop sensor 4-20 mA (power supply 16/30 Vdc), 2 wires - maximum load : 500 Ohms (4-20 mA) - minimum load : 1 K Ohms (0-10 V)
	2 VA (0-10 V) or max. 22 mA (4-20 mA)
	EN61326
	Screw terminal block for cables Ø0.05 to 2.5 mm ²
PC	Kimo USB-mini Din cable
	Air and neutral gases



- NFC15-100 standard

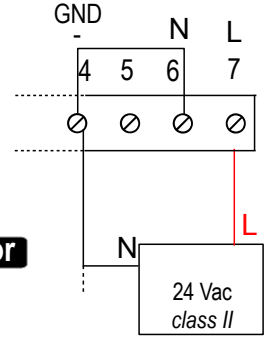
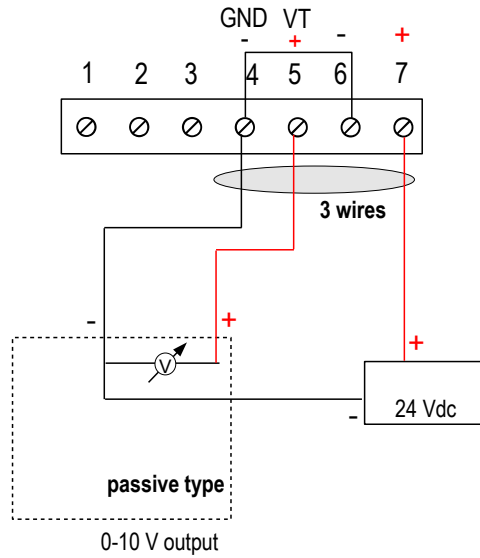
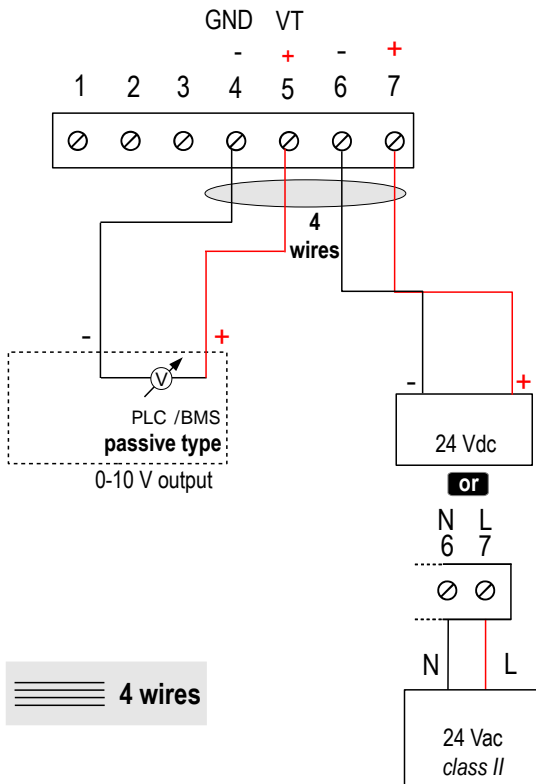


This connection must be made by a qualified technician. To make the connection, the transmitter must not be energized.

For **TM110 – AO** and **TM110 – AN** models with 0-10 V output – **active, 4 wires** :



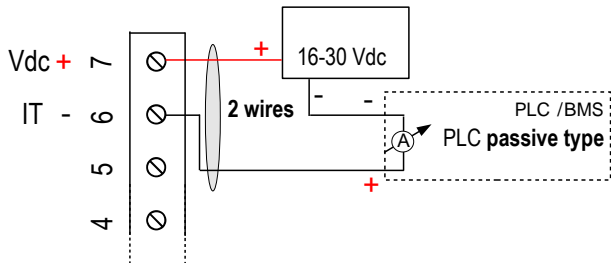
To make a 3-wire connection, before powering up the transmitter, please connect the output ground to the input ground. See drawing below.



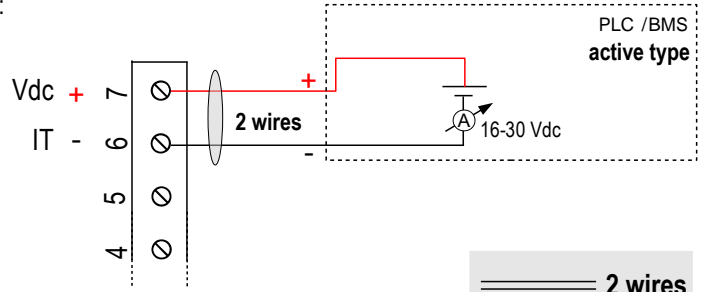
4 wires

3 wires

For **TM110 – PO** and **TM110 – PN** models with 4-20 mA output – **passive** :



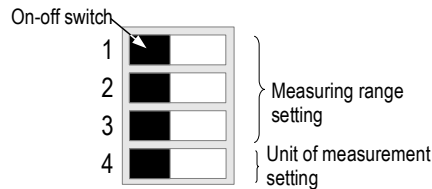
or



2 wires



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.



To set a measuring range, put the on-switches 1, 2 and 3 of the measuring ranges as shown below.

	From 0 to 50 °C	From -20 to +80 °C	From -50 to +50 °C	From 0 to 100 °C	From 0 to 200 °C	From 0 to 400 °C
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

- active
(4)

	°C	°F
1		1
2		2
3		3
4		4

CONFIGURATION VIA LCC-S SOFTWARE (option)

An easy and friendly configuration with the software !

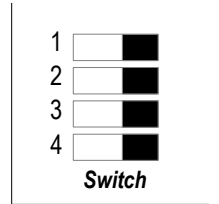
It is possible to configure intermediate ranges.



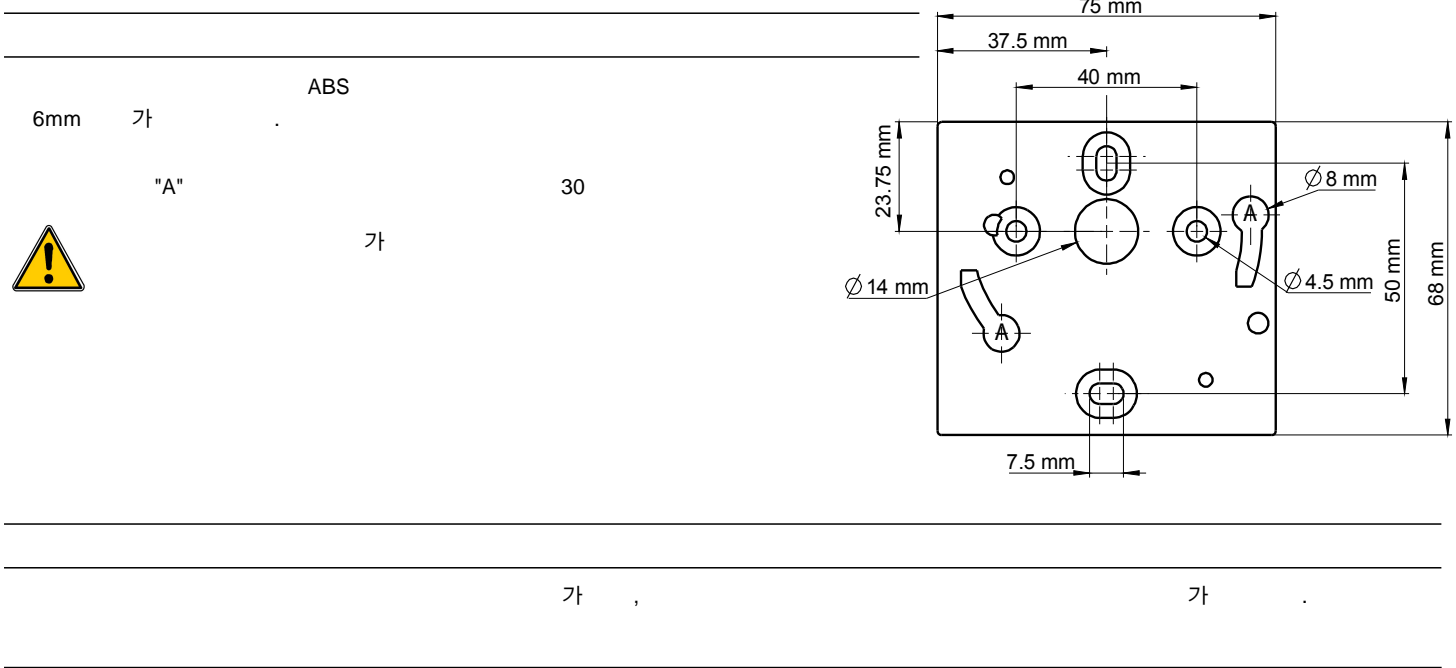
Caution : the minimum difference between the high range and the low range is 20.

Example : for a 0-100°C transmitter, the minimum delta of the range is 20°C. It is then possible to configure the transmitter from 0 to +100°C, or from 0 to +20°C...

- To access the configuration via software :
 - Set the DIP switches as shown beside.
 - Connect the cable of the LCC-S to the connection of the transmitter.
- Please refer to the user manual of the LCC 100 to make the configuration.



The configuration of the parameters can be done either with the DIP switch or via software (you can not combine both solutions).



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

LCC-S : USB
- PT100 2,3 wire NTC

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