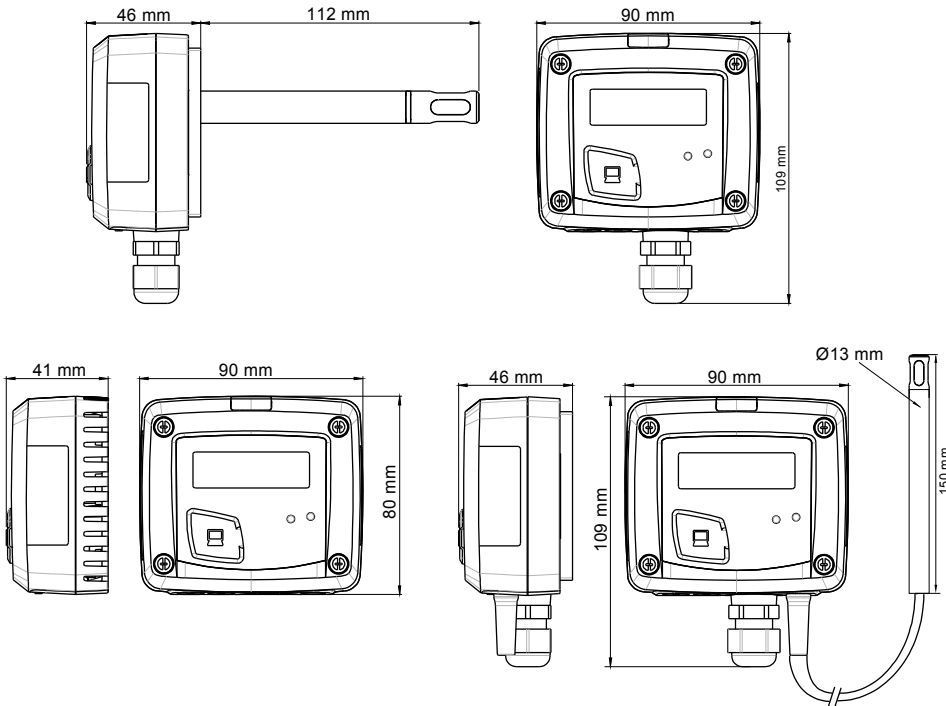


**HM 110**



- 5 ~ 95%RH
- 0~10V active , 24 Vac/Vdc (3-4 wires)  
or 4-20 mA passive loop , 16~30 Vdc (2wire)
- ABS V0 , IP65( )
- "¼ turn" system mounting with wall-mount plate



ABS V0 as per UL94

IP65 (remote and duct models)  
IP20 (ambient model)

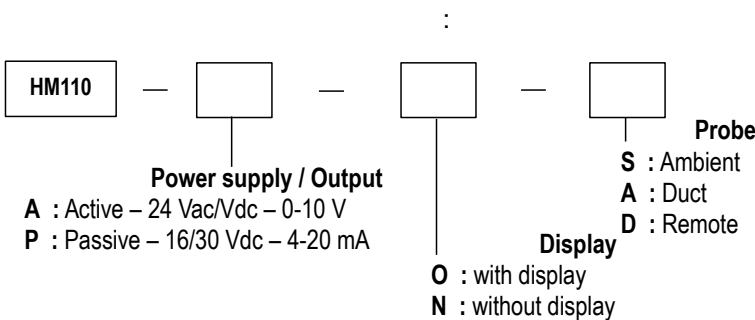
LCD 10 digits. Size : 50 x 17 mm

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

For cables Ø 8 mm maximum

145 g (ambient model) ; 223 g (remote and duct models)

length 2 m and Ø 4.8 mm in silicone



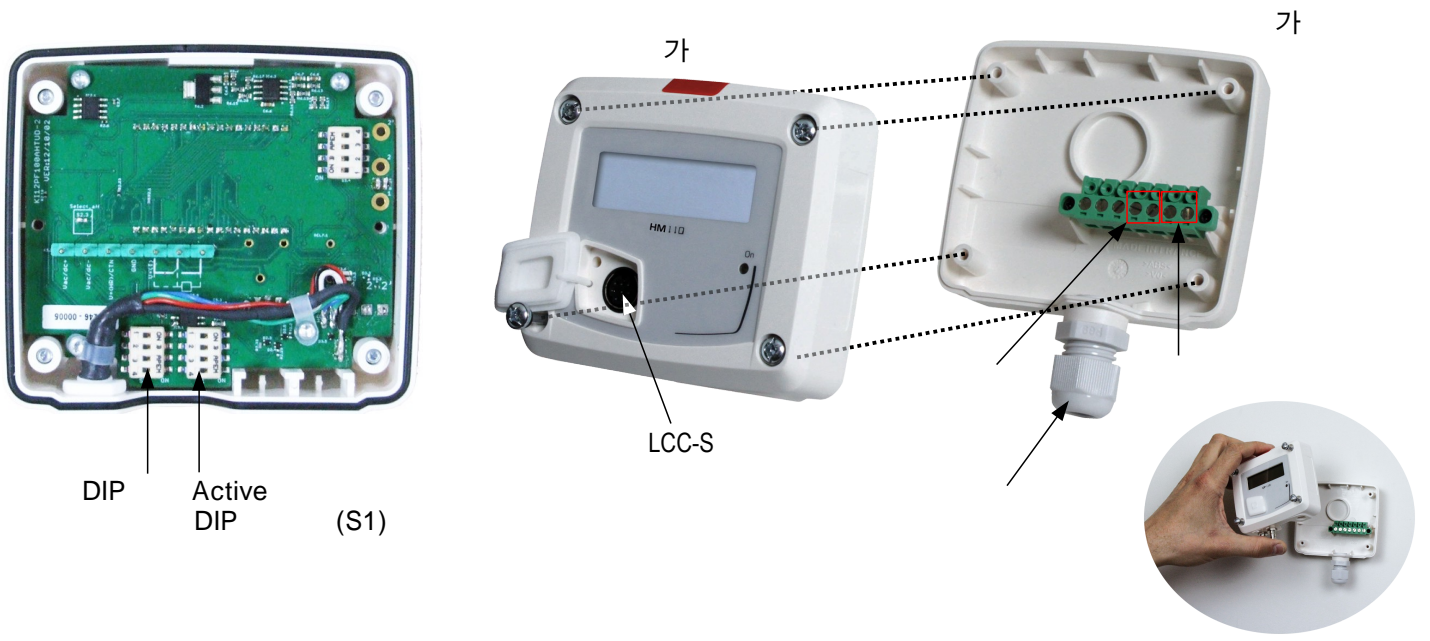
**Example : HM110 – ANS**

HM110 0~10V active

	from 5 to 95% RH
	±1.5% RH (if 15°C ≤ T ≤ 25°C) on remote and duct models ±2% RH (if 15°C ≤ T ≤ 25°C) on ambient model
<b>Drift linked to temperature</b>	±0.04 x (T-20) %RH (if 15°C ≤ T ≤ 25°C)
	% RH
	1/e (63%) 4 s
	Capacitive on remote and duct models CMOS on ambient model
	0.1% RH
<b>Factory adjustment uncertainty</b>	±0.88% RH
	Air and neutral gases

\*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.  
As per NFX 15-113 and the *Charter 2000/2001 HYGROMETERS*, GAL (Guaranteed Accuracy Limit) which has been calculated with a coverage factor value of 2 is ±2.58%RH between 18 and 28°C on the measuring range from 3 to 98%RH. Sensor drift is less than 1%RH/year.

/	- 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 <sup>2</sup>
PC	Kimo USB-mini Din cable
	Air and neutral gases
	From 0 to 50 °C
	From -20 to +80 °C
	From -10 to +70 °C



- NFC15-100 standard

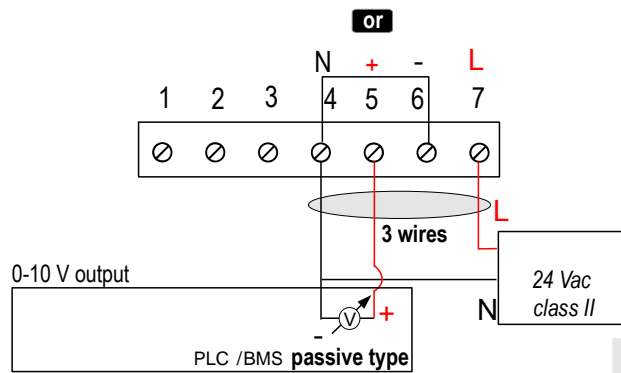
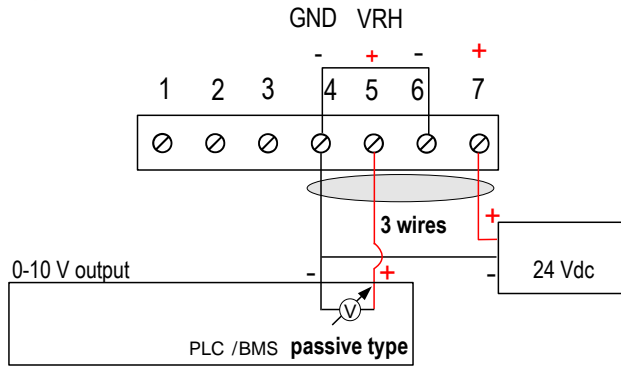
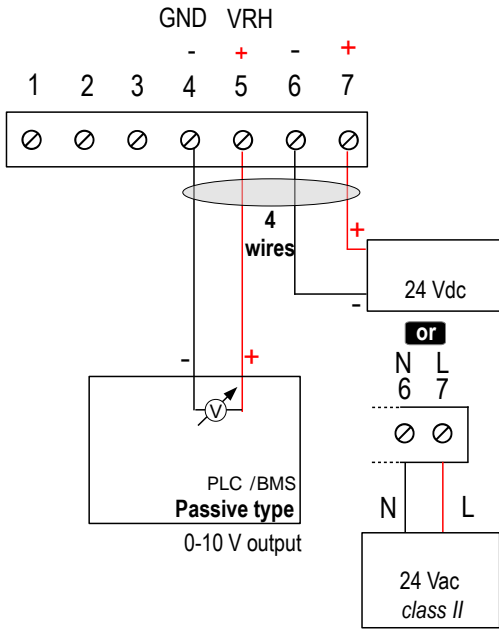


This connection must be made by a qualified technician. To make the connection, the transmitter must not be energized.

For HM110-AO and HM110-AN models with 0-10 V output – active :



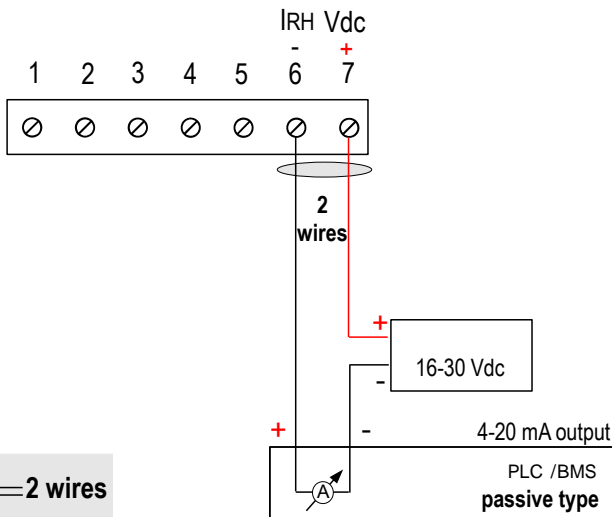
To make a 3-wire connection, before powering up the transmitter, please connect the output ground to the input ground. See drawing below.



==== 4 wires

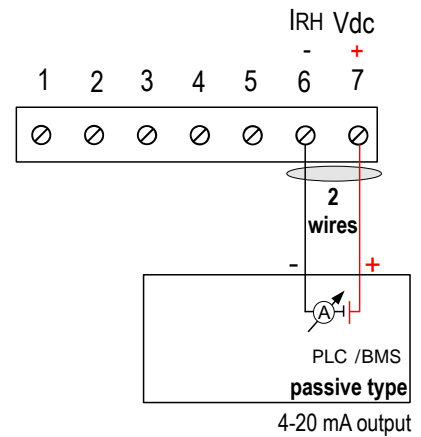
==== 3 wires

For HM110-PO and HM110-PN models with 4-20 mA output – passive :



==== 2 wires

or



==== 2 wires

(LCC - S software )

**An easy and friendly configuration with the software !**


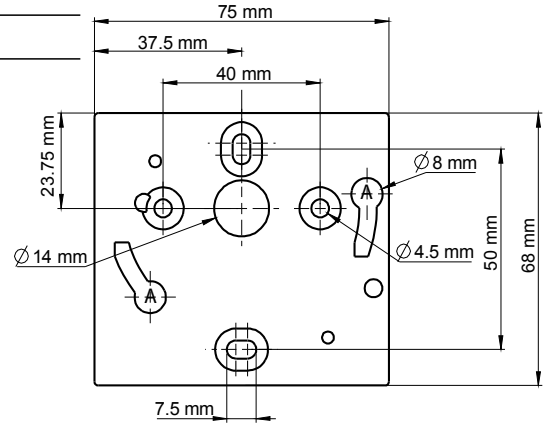
It is possible to configure an offset,...

Example : the instrument could be configured from 30 to 50%RH.

In order to compensate a possible drift of the transmitter, it is possible to add an offset to the displayed value by the HM110 instrument : it shows 48%RH, a standard instrument shows 45%RH. It is then possible, via the software, to integrate an offset of -3 to the displayed value by the HM110 instrument.

- To access the configuration via software :
  - 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.

6mm 가 . ABS  
 "A" 30  
 가

가 , 가 .

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

**LCC-S** : USB

- Stainless steel sliding fittings
- PC cable gland
- ABS connection with connection gland
- Stainless steel connections
- Wall-mount plate for humidity remote probe

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