HUMIDITY/TEMP. CONTROLLER/MONITOR

Model : PHT-3109

ISO-9001, CE, IEC1010

www.yalab.com.tw   02-2389-0101

Humidity probe
(included)

Lutron

The Art of Measurement

HUMIDITY/TEMP. CONTROLLER/MONITOR

Model : PHT-3109

FEATURES

* Professional Humidity measurement monitor and controller.
* Build in humidity control relay and the Temp. control relay.
* Relay will be make action (On/Off) when the reading value reach high limit or low limit value.
* Offset value setting.
* Hysteresis value setting for high and low alarm.
* ℃,℉ temp. unit setting with default.
* High precision humidity sensor with fast response time and high accuracy.
* Large red LED display, high brightness and easy to read.
* RS232 computer interface, send out the humidity and the temperature data at the same time.
* Optional data acquisition software.
* Optional GSM controller.
* Microprocessor circuit ensures high accuracy and provides special functions and features.
* Standard 96 X 48 mm DIN case.

GENERAL SPECIFICATIONS

Display	4 digits red LED, digit size : 14 mm.	
Unit	Temp.	℃, ℉
	Humidity	%RH
Circuit	Custom chip of microprocessor LSI circuit.	
Sensor Structure	Humidity	Semiconductor
	Temperature	Semiconductor
Sampling Time	Approx. 1 second.	
Relay outputs	Number	2 relays
	Function	Relay 1 : Humidity control relay. Relay 2 : Temperature control relay.
	Max load	1 ACA/250 ACV
		1 DCA/24 DCV
Setting value	High limit value setting. Low limit value setting. Hysteresis value setting. Offset value setting. * Setting for Humidity and Temp.	

External Power Supply	DC 12 V, 50 mA max.
Data Output	RS 232 PC serial interface.
Operating Temperature	0 to 50 ℃. * Meter
Operating Humidity	Less than 80% R.H. * Meter
Power Supply	90 to 260 ACV, 50/60 Hz.
Power Consumption	Approx. 4.7 VA/AC 110V. Approx. 5.3 VA/AC 220V.
Weight	384 g/ 0.84 LB.　　* Including probe.
Dimension	DIN size : 96 x 48 mm. Depth : 110 mm.
Accessories Included	Instruction manual....................... 1 PC Humidity/Temp. probe...................1 PC Case holder with screw.................2 PCs Probe fix holder............................1 PC
Optional Accessories	* Data Acquisition software, SW-U801-WIN. * RS232 cable, UPCB-02. * USB cable, USB-01. * GSM controller, GSM-889. * Interface cable (cable between meter to GSM-889), GMCB-89.

ELECTRICAL SPECIFICATIONS (23± 5 ℃)

Humidity

Range	10 % to 95 % R.H.
Resolution	0.1 % R.H.
Accuracy	≧70% RH ± (3% reading + 1% RH). < 70% RH - 3% RH. ± 3% RH.

Temperature

Measuring Range	0 ℃ to 50 ℃/32 ℉ to 122 ℉
Resolution	0.1 ℃/0.1 ℉
Accuracy	± 0.8 ℃/1.5 ℉

* Appearance and specifications listed in this brochure are subject to change without notice.　　0907-PHT3109