ASHE CONTROLS PVT LTD
an ISO 9001:2015 certified company

AHT-74

AHT-Series Relative Humidity & Temperature Controller





TEMPERATURE AND HUMIDITY SENSOR

RoHS Compliant

MAKE IN INDIA

Overview

The ASHE AHT-74 is a micro-controller based Relative Humidity and Temperature Indicator with control outputs, offered in a highly compact, rugged and reliable execution. The instrument has three keys on the front panel, with which the operator can set the parameters and configure the instrument as desired.

The instrument accepts RS485 signal from the RH-cum-Temperature sensor probe HTP-1 as input signal. The instrument AHT-74 is factory calibrated, so that it doesn't require calibration at the plant site. The AHT-74 provides four control Relay outputs (two for each parameter), the set points of which may be configured with it's independent Hysterisis value, through the Membrane Keypad on the front panel.

The instrument operates on universal AC power supply (90 to 270 V AC, 50/60 Hz) and is offered in standard ¼ DIN panel-mount execution. The instrument has non-volatile memory.

The RH & Temperature Indicating Controller Model: AHT-74 is an ideal instrument for Humidity & Temperature measurement and control applications. Other features include it's inherent accuracy and immunity to shocks, dust, ambient temperatures, and humidity. It is available in field-mounting (weather-proof / explosion-proof executions) and standard panel mounting enclosures.

Further, the instrument is manufactured using selected high-grade components which guarantee it's functionality and long operational life.

This product is backed by a full two-year warranty, covering all manufacturing defects and workmanship issues under normal operating conditions.

Specifications

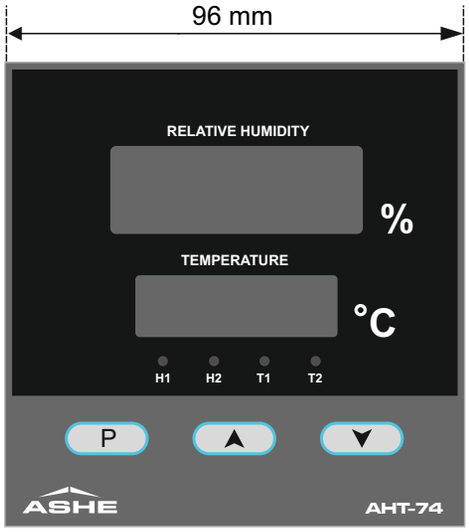
Model	ASHE AHT-74
Type	Microcontroller based digital RH & Temperature indication with control action.
Input Sensor	Ashe HTP-1 Humidity & Temperature Probe
Display	Dual 4-digit, 0.5”/0.4” seven-segment red LED display for RH and Temperature.
Scale Range	–999 to +9999.
Calibration	000.0 to 100.0% (RH). –50 to +100 deg C. (Temp.)
Response Time	< 200 mS.
Linearity	± 0.1% of span.
Calibration Facility	By Membrane keypad on front panel.
Control Output	Four relay changeover contacts (configurable). Two for each parameter.
Contact Rating	10 Ampere @ 230 VAC (resistive loads).
Control Logic	High-Low (Configurable).
Alarm Indication	By LEDs on front panel.
Memory	Non-volatile.
Accuracy	± 0.1% of FSD.
Settings	Settings for Control Logic, Set-points, Hysterisis, etc.
Dimensions	96 x 96 x 80 mm. [W x H x D].
Power Supply	90 to 270 VAC, 50/60 Hz.
Execution	Panel mounting.
Enclosure	Industrial grade ABS.
Weight	Approximately 0.5 Kgs.
Operating Temperature	0 to 55^{0}C.

Features

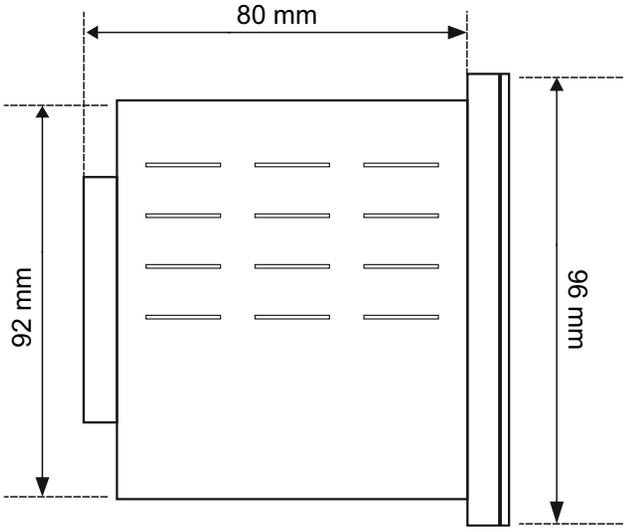
- Microcontroller based design
- RH+T Sensor Probe HTP-1 Input
- High accuracy and linearity to input signal
- Dual 4-digit seven-segment LED displays
- Up to Four Relay change-over contacts (two for each parameter)
- Very low power consumption and heat dissipation
- Fully configurable
- Retransmission option for each parameter
- Selectable Decimal-point
- Universal AC Power Supply
- On-Off control action options
- Rugged, industrial grade ABS enclosure
- High Noise immunity
- Panel / Field / Hazardous-area installation in IP66 execution
- Two-year Performance Warranty
- Proven track record of successful site installations

AHT-Series Relative Humidity & Temperature Controller

Dimensional Diagram



FRONT VIEW



SIDE VIEW

How To Order

	RELATIVE HUMIDITY & TEMPERATURE CONTROLLER	**AHT-74**			
	Configuration and add-on options				
1	**POWER SUPPLY**				
▸	AC Voltage 90 to 270 VAC, 50/60 Hz.	0			
▸	DC Voltage 24 DC	4			
2	**RETRANSMISSION**				
▸	Retransmission Required		R		
▸	Retransmission Not Required		N		
3	**EXECUTION**				
▸	Front Panel mounting				P

Our Other Products


FLOW TOTALIZER


SIGNAL ISOLATORS & TRANSDUCERS


TEMPERATURE SCANNER


FLAMEPROOF INSTRUMENTS


STATIC POWER SWITCHES

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