HUMIDISTAT ROOM

Electro-mechanical Humidistat

The ACI Room Humidistat utilizes a Polyga® bands of multi-synthetic fibers as it's sensing element to improve its moisture resistance. The sensor is water resistant and can be saturated without damage. The humidistat is used to sense the relative humidity level in air, and on/off single-stage control of humidifiers, dehumidifiers, compressors, solenoids, valves, relays, and other electrical equipment in commercial and industrial environments. The humidistats offer scaled setpoint knobs, external or internal options depending on model.

Applications: Humidification, Dehumidification, Supply / Discharge / Return Air, Economizers, Clean Rooms, Data Centers, Process Control, Schools, Hospitals, Office Buildings

The Room Humidistat is covered by ACI's Two (2) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's website, workaci.com.
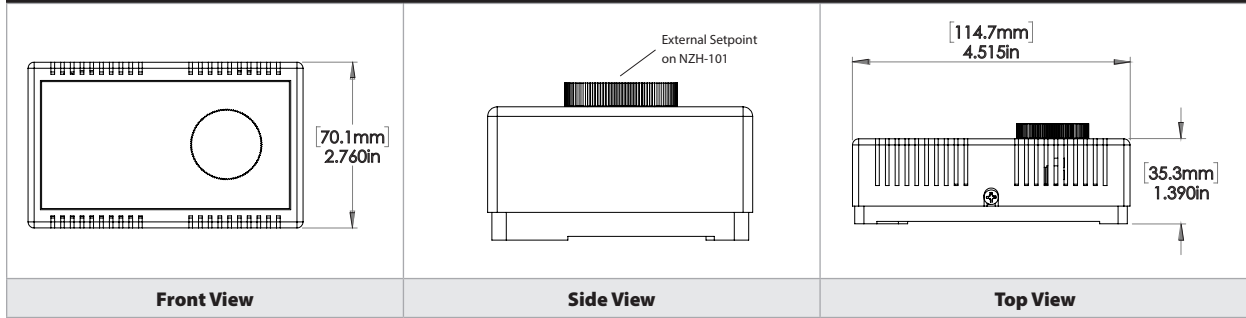
PRODUCT SPECIFICATIONS

RH Measurement Range:	0-100% RH
Operating RH Range:	30-100% RH
RH Condition:	Non-aggressive air
Sensor Element:	Polyga® bands of multi-synthetic fibers, water-resistant, washable, saturation without damage
RH Accuracy:	± 3.0% RH
Permissible Air Velocity (Maximum):	2970 ft/min (15 m/sec)
Response Time:	< 72 sec for 50% step change, at 394 ft/min (2 m/sec)
Type of Control:	On/Off, single stage control, with (1) microswitch output
Stage Level/Setpoint:	30-100% RH
Hysteresis/Switching Differential:	4% RH, fixed
Microswitch Form:	SPDT
Maximum Contact Rating:	Humidify: 2A resistive @ 230 VAC	Dehumidify: 5A inductive @ 230 VAC	1A inductive @ 230 VDC
**Operating Temperature	RH Range:**	32 to 140°F (0 to 60°C), 0-95% RH, non-condensing
Storage Temperature Range:	-4 to 158°F (-20 to 70°C)
Enclosure Material:	ABS, fire-retardant
Enclosure Protection:	Nema1 (IP20)
Cable Entry:	Slot entry, backside of enclosure base
**Connections	Wire Size:**	Screw Terminal Blocks	Max. 16 AWG (1.5 mm2)
Product Dimensions:	(H) 2.8" (70 mm) x (W) 4.6" (115 mm) x (D) 1.4" (35 mm)
Approvals:	CE
Product Weight:	1.6 lb (0.7 kg)

Automation Components, Inc.

DIMENSIONAL DRAWING

External Setpoint on NZH-101

70.1mm
2.760in

114.7mm
4.515in

35.3mm
1.390in

| Front View | Side View | Top View |

STANDARD ORDERING

Model #	Item #	Description
NZH-101	133623	Humidstat, Room, External Setpoint Dial, SPDT, NEMA 1
NZH-101U	133624	Humidstat, Room, Internal Setpoint Dial, SPDT, NEMA 1