ARIELTECH ®
MANUFACTURER OF ENCLOSURE CLIMATE CONTROL SOLUTIONS

HUMIDITY CONTROL
MECHANICAL HYGROSTAT
Specification/Sell sheet

Certificates

- CSA and CSAus Listed, File Number 80012071
- UL and cUL Recognized, File Number E484831
- CE Compliant

Application

The HYTEC-100 is designed to control the relative humidity inside of enclosures and electrical panels. The HYTEC-100 starts the heater in order to avoid formation of condensation in enclosures. Designed to protect electronic circuits, preventing the absorption of moisture by electrical and electronic components inside of the enclosure.

Features

- Controls a wide range of enclosure relative humidity from 10% to 90%
- Can be used for both applications; Humidifiers and Dehumidifiers
- Mechanical Hygrostat
- Mountable on 35 mm DIN Rail
- Flame retardant housing, UL 94-V0

Color

- RAL 7035 - Light Gray

HYTEC

E484831

Terminal Operated	Between 1 & 2		Between 1 & 3	
Voltage	240 VAC	120 VAC	240 VAC	120 VAC
Full Load	5 A	10 A	2.2 A	4.4 A
Locked Load	22.5 A	45 A	13.2 A	26.5 A
Resistive Load	6 A	12 A	3 A	6 A
Application	Dehumidifier		Humidifier	
	Normally Closed		Normally Open	
	Heater		Fan	
Design and Test Standard	UL 60730-1			
	UL 60730-2-9			
	UL 60730-2-13			
	CAN/CSA-E60730-1:15			
	CAN/CSA-E60730-2-9:15			
Withstanding Voltage	AC 1500 V 1 min or AC 1800 V 1 sec			
Insulation Resistance	Min 100 mΩ at DC 500 V			
Calibration Point	42% RH at room temperature 23 °C ± 2 °C / 74 °F ± 2 °F			
Mounting	Rail 35 mm according to EN 50 022			
Weight	170 gram / 0.375 lb			
Dimensions	101 mm x 57 mm x 55 mm / 3.98" x 2.24" x 2.17"			
Color	RAL 7035			
Electrical Connections	3-Pole screw terminal for wires section of .75/4 mm² - AWG 18/12			
Housing Material	PA 6 UL 94 -V0			
Environmental	Indoor			
Control Type	Operating Control, Type 1			
Rated Impulse Voltage	2500			
Hysteresis	Approx. 5% RH			
Sensing Element	Synthetic Fiber			
Operating Temperature	10 °C to 40 °C / 50 °F to 104 °F			
Shipping and Storage Temperature	-40 °C to 60 °C / -40 °F to 140 °F			

57mm (2.24")

55 mm (2.17")

101mm (3.98")

RH%

OFF   ON

2   1   3

2   1   3

N

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