

Hygrostats and Hygrostat Thermostat



IUK08562



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IU008560-A

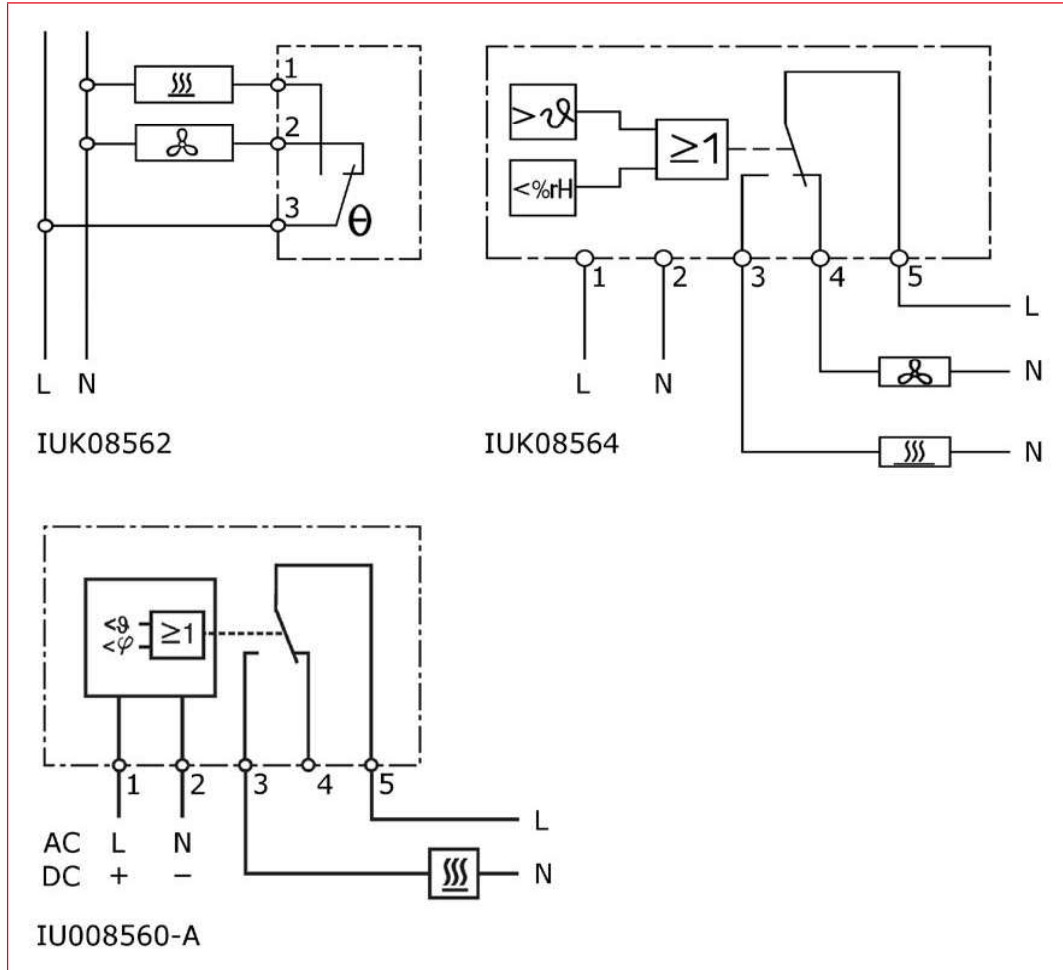
IP20

Schrack-Info

Hygrostats regulate heating systems and filter fans in control cabinets when the determined relative humidity is exceeded. Thereby, the relative humidity is kept above the dew point and the collection of water on the electrical components as well as corrosion on exposed panels is avoided. The electric combined device unites thermostat and hygrostat in one device and simultaneously and independently controls the relative humidity and temperature in the cabinet

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Circuit diagram hygrostat and hygrostat thermostat



Data	Unit	IUK08562	IUK08564	IU008560-A
Type of contact		Changeover (CO) with spring contact	Changeover (CO) / relay	Changeover (CO) / relay
Setting range	°C (°F)	-	0 to +60 °C (+32...+140 °F)	0 to +60 °C (+32...+140 °F)
Humidity range (adjustable)	[rh]	40 - 90%	40 - 90%	50 - 90%
Switch temperature difference	[K]	approx. 5%	ca. 2 K ± 1 K / ca. 4% rh ± 1%	2 K ± 1 K at +25 °C (+77 °F), 50 % rh
Switching point tolerance	[K]	± 4	-	4% rh ± 1 % at +25 °C (+77 °F), 50 % rh
Max. switching power value in brackets: inductive load at cos φ = 0.6	[V]	Normally closed (NC) 24 - 250 V AC	Normally closed (NC) 240 V AC or 120 V AC / 24 V DC	Normally closed (NC) 240 V AC or 60 V DC
	[A]	2 (0.2) A – min. 100 mA	8 (3) A or 8 (3) A / 4 A	10 (1.6) A or 0.6 A
	[V]	Normally open (NO) 24 - 250 V AC	Normally open (NO) 240 V AC or 120 V AC / 24 V DC	Normally open (NO) 240 V AC or 60 V DC
	[A]	5 (0.2) A – min. 100 mA	8 (3) A or 8 (3) A / 4 A	10 (1.6) A or 0.6 A
DC	[W]	max. 30	-	-
Operating temperature range	°C (°F)	0 to +60 °C (+30 ... + 140 °F)	- 20 to +60 °C (- 4 ... + 140 °F)	-40 to +60 °C (-40 bis +140 °F)
Storage temperature range	°C (°F)	-40 to 80 °C (-40...+176 °F)	-40 to +80 °C (-40...+176 °F)	-40 to +60 °C (-40 bis +140 °F)
Dimensions HxWxD	[mm]	60 x 37 x 47	80,5 x 59 x 38	77 x 60 x 43
Degree of protection		IP 20	IP 20	IP 20
Weight	[g]	55	85	200
Connection type		Screw terminal for cable cross-section 0.5 to 2.5mm ²		
Suitable for the operation of		Ventilator and radiator		
Type of mounting		Snap fastening for 35mm profile rails according to EN 60715		
Color		RAL 7035		

DESCRIPTION	AVAILABLE	ORDER NO.
Hygrostat, 1 CO switch, 40 - 90% rh		IUK08562
Hygrostat thermostat, 1 CO switch relay contact, 0°-60°C, 40-90% rh		IUK08564
Hygrostat, 1 CO switch relay contact, 0-60°C, 50-90% rh		IU008560-A



Order no. blue: on stock, usually ready for delivery on the day of order

