

ELECTRONIC HYGROSTAT

EFR 012



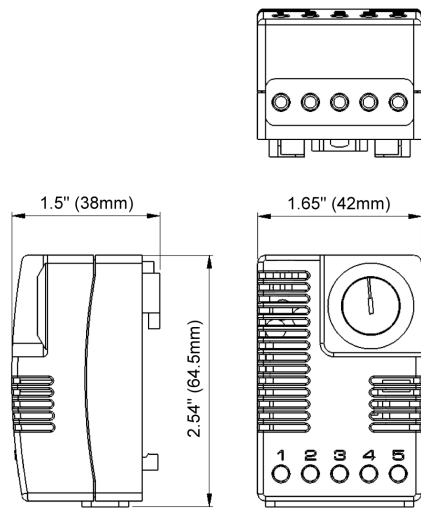
- > Adjustable & pre-set relative humidity setpoints
- > Compact design
- > High switching capacity
- > Optical function display (LED)
- > DIN rail mountable

The EFR 012 electronic hygrostat senses the relative humidity in an enclosure and turns on a heater at the set point, helping prevent the formation of condensation in the enclosure. The integrated LED is lit when the connected device is in operation.

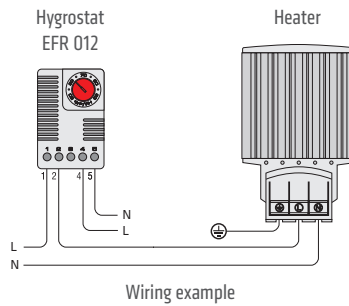
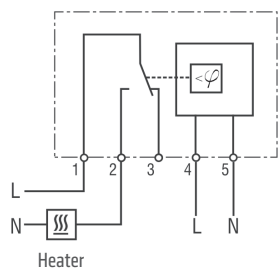


TECHNICAL DATA

Switching difference	5 % RH (± 1 % tolerance) – at 77 °F (25 °C) and 50 % RH
Reaction time	approx. 5 seconds
Contact type	SPDT / change-over contact (relay)
Service life	> 50,000 cycles
Max. switching capacity (relay output)	8 A resistive / 1.6 A inductive @ AC 120 V 8 A resistive / 1.6 A inductive @ AC 240 V 100 W @ DC 24 V
Max. inrush current	AC 16 A for 10 sec.
Connection	5-pole terminal, clamping torque 0.5 Nm max.: solid/stranded ¹ wire – AWG 14 max. (2.5 mm ²)
Housing	plastic, UL 94V-0, light grey
Mounting	clip for 35 mm DIN rail, EN 60715
Mounting position	vertical
Operating / Storage temperature	+32 to +140 °F (0 to +60 °C) / -4 to +158 °F (-20 to +70 °C)
Operating / Storage humidity	max. 90 % RH (non-condensing)
Dimensions	2.54 x 1.65 x 1.5" (64.5 x 42 x 38 mm)
Weight	approx. 2.3 oz. (65 g)
Protection type	IP20



¹ When connecting with stranded wires, wire end ferrules must be used.



Part No.	Operating voltage	Setting range	Approvals		
01245.0-00	AC 230 V, 50/60 Hz	40 to 90 % RH	VDE	UL File No. E164102	EAC
01245.9-00	AC 120 V, 50/60 Hz	40 to 90 % RH	-	UL File No. E164102	EAC
01246.0-00	AC 230 V, 50/60 Hz	65 % RH pre-set	VDE	UL File No. E164102	EAC
01246.0-01	AC 230 V, 50/60 Hz	50 % RH pre-set	VDE	UL File No. E164102	EAC
01246.9-00	AC 120 V, 50/60 Hz	65 % RH pre-set	-	UL File No. E164102	EAC