

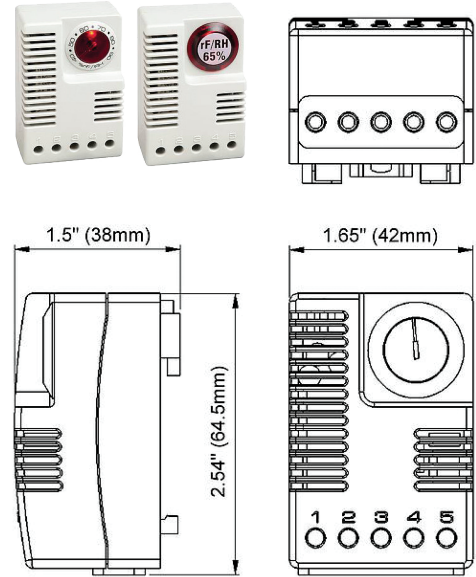
EFR 012

HYGROSTATS

ELECTRONIC HYGROSTAT

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.

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
Connection	5-pole terminal, clamping torque 0.5 Nm max.: solid/ stranded* wire - AWG 14 max. (2.5 mm ²)
Mounting	clip for 35 mm DIN rail, EN 60715
Casing	plastic, UL 94V-0, light grey
Dimensions	2.54 x 1.65 x 1.5" (64.5 x 42 x 38 mm)
Weight	approx. 2.3 oz. (65 g)
Fitting Position	vertical
Operating/Storage Temperature	+32 to +140 °F / -4 to +158 °F
Operating/Storage Humidity	max. 90 % RH (non-condensing)
Protection Type	IP20



Dimensioned Drawings.

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

*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	UL File No. E164102 / VDE / 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	UL File No. E164102 / VDE / EAC
01246.0-01	AC 230 V, 50/60 Hz	50 %RH pre-set	UL File No. E164102 / VDE / EAC
01246.9-00	AC 120 V, 50/60 Hz	65 %RH pre-set	UL File No. E164102 / EAC