

- Fixed relative humidity setpoint
- High switching capacity
- DIN rail mountable

The KSMH50 and KSMH65 have been designed to control the relative air humidity inside of enclosures. When connected to an enclosure heater, (de-humidifier), it will turn the heater on at the preset humidity setpoint in order to raise the dew point. This helps prevent damage and malfunction of electronic components caused by condensation and corrosion. These units can also be used to control cooling fans, warning lights or other devices.



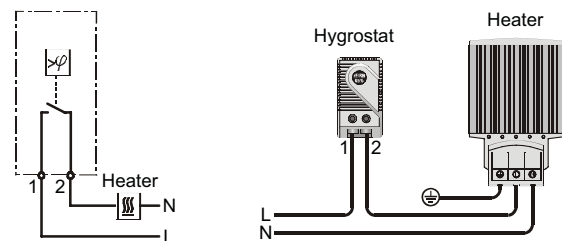
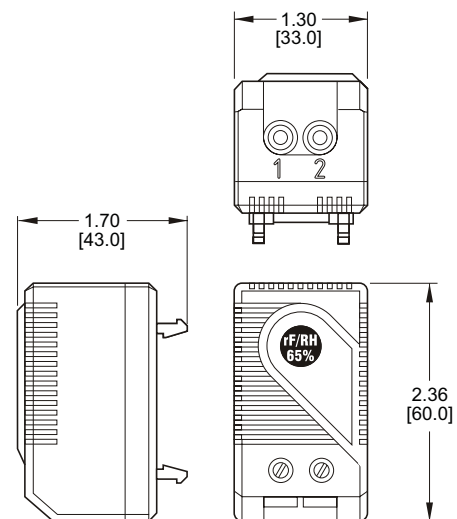
Model No.	Setpoint
KSMH50	50% RH setpoint
KSMH65	65% RH setpoint

TECHNICAL DATA

Switching tolerance:	+/- 5% RH
Switching difference (hysteresis):	4% RH (+/- 3% tolerance)
Permissible air velocity:	50 ft/sec (15 m/s)
Contact type:	Contact maker (normally open)
Contact resistance:	<10mΩ
Service life:	50,000 cycles
Minimum switching capacity:	100mA @ AC/DC 20 V
Maximum switching capacity:	5A @ AC 250 V (resistive load) 0.2A @ AC 250 V (inductive load at cos φ = 0.8) DC 20 W
EMI/EMC compliance:	EN 55014-1-2, EN 61000-3-2, EN 61000-3-3
Connection:	2-pole terminal, AWG 14 max. (2.5 mm ²)
Mounting:	Clip for 35 mm DIN rail (EN 50022)
Housing:	Plastic, UL94V-0
Weight:	1.4 oz. (40 g)
Operating temperature:	32 to 140°F (0 to 60°C)
Storage temperature:	-4°F to 176°F (-20 to 80°C)
Protection type:	IP 20
Agency approvals:	CE, UL submitted for approval
Application examples:	Electrical & Electronic enclosures Telecommunication systems Display panels Ticket dispensers Automatic teller machines (ATM's) Access & Parking control systems

DRAWINGS

Dimensions, inches [mm], are for reference only and are subject to change.



Connection diagram

Example of connection

Specifications are subject to change without notice. Suitability of this product for its intended use and any associated risks must be determined by the end customer/buyer in its final application.