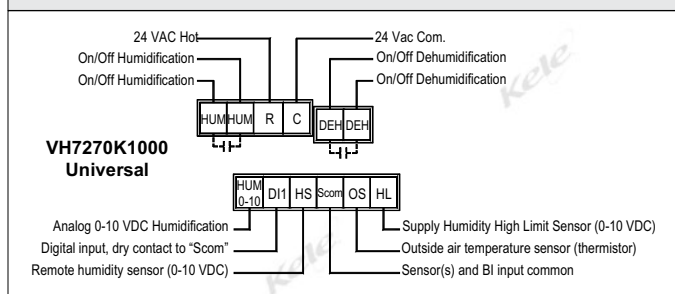## DESCRIPTION

The **Viconics VH7200 Series humidistats** are designed for controlling humidification and dehumidification equipment in HVAC/BAS applications. The humidistat utilizes a PI time proportional control algorithm to accurately control relative humidity. The **VH7200 Series** features adjustable control setpoint, and the ability to set the maximum number of output cycles from 3 to 8 per hour. Units accept a remote outdoor air temperature sensor which can be used to reset the humidity set point-minimizing energy consumption and condensation on windows and building structures. The high limit protection prevents damage due to over-humidification.

FEATURES

- *Designer wall mounting*
- *3% RH control accuracy*
- *Two status LEDs*
- *Proportional high limit override eliminates condensation problems*
- *Sensor failure protection*
- *Outdoor temperature reset*
- *Keypad lockout*
- *Backlit LCD two line display*

WIRING

VH7270K1000 Universal

24 VAC Hot
On/Off Humidification
On/Off Humidification
24 Vac Com.
On/Off Dehumidification
On/Off Dehumidification

HUM HUM R C DEH DEH

HUM 0-10 DI1 HS Scom OS HL

Analog 0-10 VDC Humidification
Digital input, dry contact to "Scom"
Remote humidity sensor (0-10 VDC)
Supply Humidity High Limit Sensor (0-10 VDC)
Outside air temperature sensor (thermistor)
Sensor(s) and BI input common

SPECIFICATIONS

Accuracy	±5% RH (20-100% RH) @ 50°F° to 90°F (10°C to 32°C)	**Display**	Two line, 16 character LCD
Supply Voltage	19-30 VAC, 50/60 Hz; 2 VA	**Resolution**	Humidity 0.1% Temperature ± 0.2°F (±0.1°C)
Signal Output	0-10 VDC, 2 kΩ minimum load impedance	**Operating Temperature**	32° to 122°F (0° to 50°C)
Relay Output	1A continuous, 3A in-rush maximum @ 30 VAC	**Operating Humidity**	0 to 95% RH non-condensing
		Wiring Terminations	Screw terminals
Setpoint Range	Humidification 10 to 90% RH Dehumidification 15 to 95% RH	**Enclosure Rating**	ABS plastic
		Dimensions	4.9"H x 3.4"W x 1.1"D (12.4 x 8.6 x 2.8 cm)
Binary Inputs	Relay dry contact	**Weight**	0.75 lb (0.34 Kg)
Temperature Range	Outdoor Air: -40° to 122°F (-40° to 50°C)	**Approvals**	UL File #E27734, CSA, CE
Sensing Technology	Bulk polymer	**Warranty**	1 year

ORDERING INFORMATION

MODEL	DESCRIPTION
VH7200A1000	Humidistat, on/off (humidify), on/off (dehumidify)
VH7270F1000	Humidistat, 0-10 VDC (humidify), on/off (dehumidify)
VH7270K1000	Humidistat, 0-10 VDC and on/off (humidify), on/off (dehumidify)

RELATED PRODUCTS

GEH2-D	2% duct mount humidity transmitter
691-K0A	Control transformer, 120:24 VAC, 40 VA, Class 2
KTO24	OSA thermistor sensor, Type 2, model 24, ±0.5°F (0.28°C)
ST-O24	OSA thermistor sensor, Type 2, model 24, ±0.36°F (0.20°C)