

### Model

**SHS80-300** (Duct-Mount High-Limit Humidistat)

### Description

The SHS80-300 is capable of sensing, monitoring and controlling relative humidity in the supply or return air duct. Its primary function is to act as both a 0-10 Vdc humidity sensor and an On/Off high limit protection for modulating humidifiers.

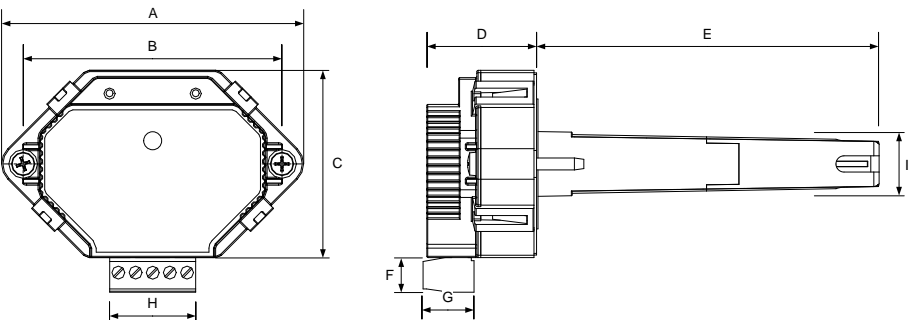
### Features

- On/Off high limit humidistat with on-board setpoint adjustment
- Built-in humidity transmitter (0-10 Vdc)
- Status LED & High Limit On/Off LED



SHS80-300

### Technical Specifications

Description	SHS80-300
Power supply	24 Vac or Vdc $\pm 10\%$
Power consumption	1 VA
Electrical connection	0.8 mm <sup>2</sup> [18 AWG] minimum
Humidity transmitter output	0-10 Vdc (0-100 %RH)
Humidity sensor precision	$\pm 3\%$ at 40 %RH and 23°C [73°F]
On/Off high limit setpoint range	20 to 90 %RH
Operating temperature	-40°C to 80°C [-40°F to 176°F]
Weight	0.35lb [160g]
Contact rating	Dry contact, 1A max, 24 Vac
Working temperature	0°C to 60°C [32°F to 140°F], <95% RH (without condensing)
Storage temperature	-10°C to 50°C [14°F to 122°F], 0-95% RH
Status LED (right)	Flashes if the device is powered on. Turns OFF if the device is powered off.
High Limit On/Off LED (left)	Turns ON if there is a high limit cutout (0V). Turns OFF if there is no high limit cutout (24V).
Dimensions	 <p>           A = 3.50"   89mm            B = 3.00"   76mm            C = 2.16"   55mm            D = 1.30"   33mm            E = 3.95"   100mm            F = 0.37"   9.5mm            G = 0.44"   11mm            H = 0.80"   20mm            I = 0.75"   19mm         </p>

### Mounting Instructions

Install the SHS80-300 directly on the supply air duct using the accessories. For standard humidifier applications, power the unit using the 24 Vac power supply provided from the humidifier.

*This product is subject to the terms and conditions described at <http://www.neptronic.com/Sales-Conditions.aspx>.*



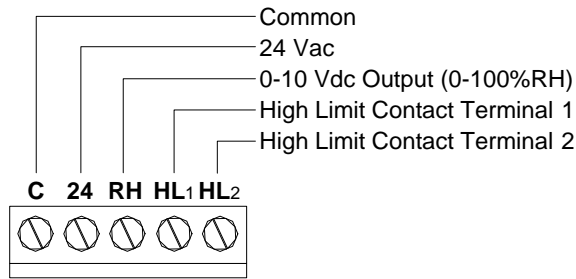
Any installation or maintenance work must be carried out by suitably qualified personnel.



Disconnect the main supply on the unit and external loads before proceeding with any installation or maintenance.

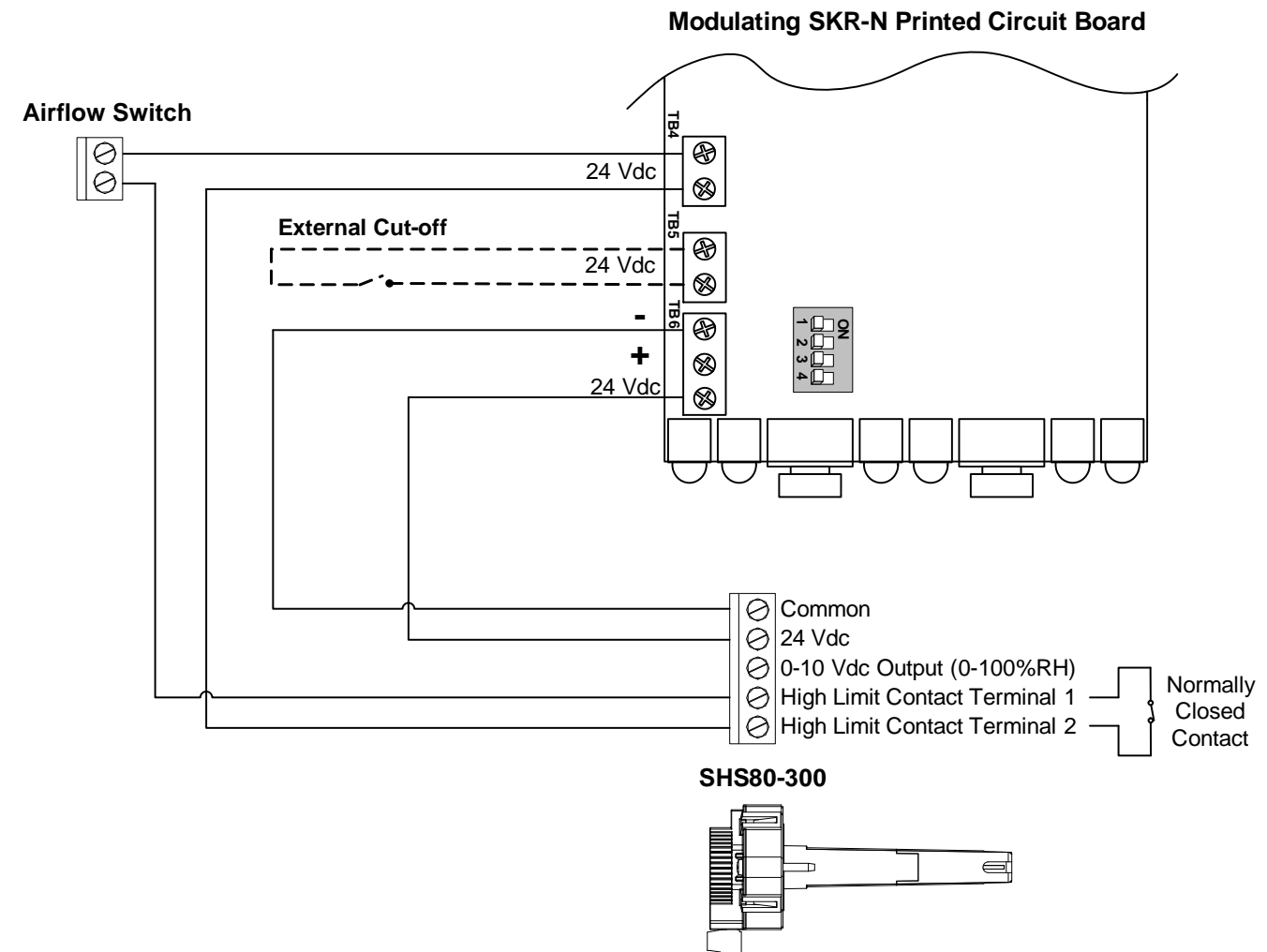
## Wiring Diagrams

### Terminal Description



### Modulating SKR Humidifier - Kit N (North America)

### Standard Field Wiring

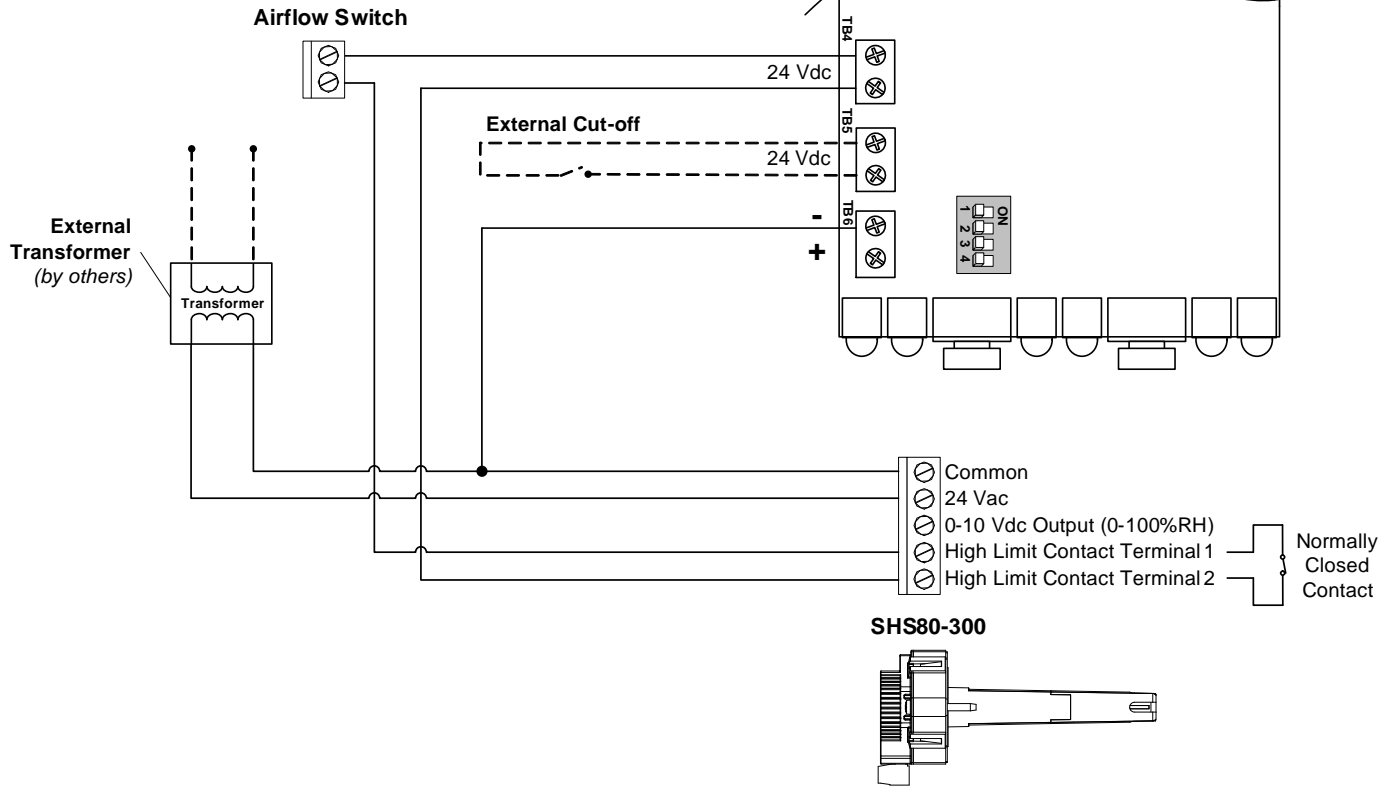




Modulating SKR Humidifier - Kit N (Europe)

Standard Field Wiring

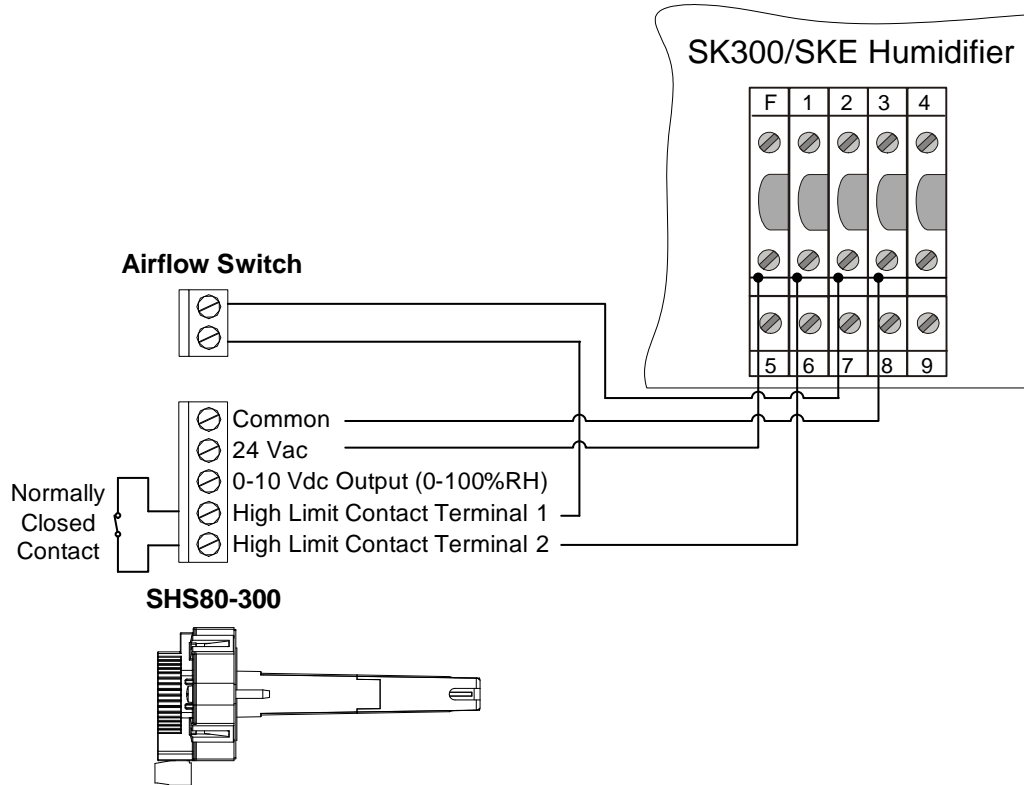
Modulating SKR-CE-N Printed Circuit Board





**Modulating SK300/SKE Humidifier**

**Standard Field Wiring**



**Field Wiring for VAV Application**

