Duct-Mount High-Limit Humidistat
Specification and Installation Instructions

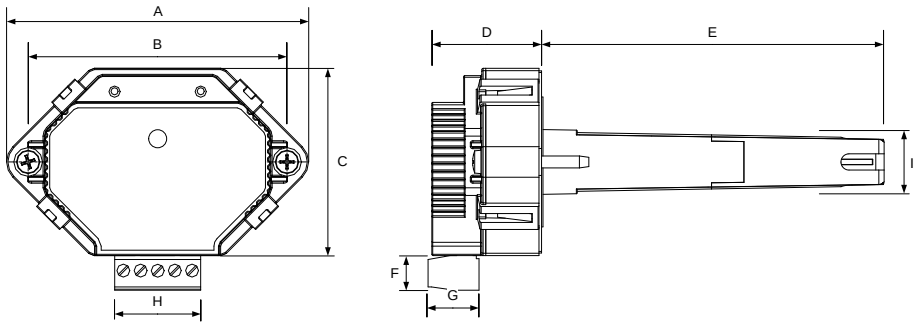
Model
SHS80-300 *(Duct-Mount High-Limit Humidistat)*

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 or On/Off return duct humidistat.

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 ±10%
Power consumption	1 VA
Electrical connection	0.8 mm^2 [18 AWG] minimum
Humidity transmitter output	0-10 Vdc (0-100 %RH)
Humidity sensor precision	±3% at 40 %RH and 23ºC [73ºF]
On/Off high limit setpoint range	20 to 90 %RH
Operating temperature	-40ºC to 80ºC [-40ºF to 176ºF]
Weight	0.35lb [160g]
Contact rating	Dry contact, 1A max, 24 Vac
Working temperature	0ºC to 60ºC [32ºF to 140ºF], <95% RH (without condensing)
Storage temperature	-10ºC to 50ºC [14ºF to 122ºF], 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 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	

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.

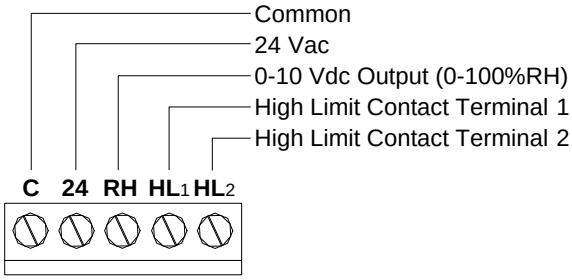
This product is subject to the terms and conditions described at http://www.neptronic.com/Sales-Conditions.aspx.

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.

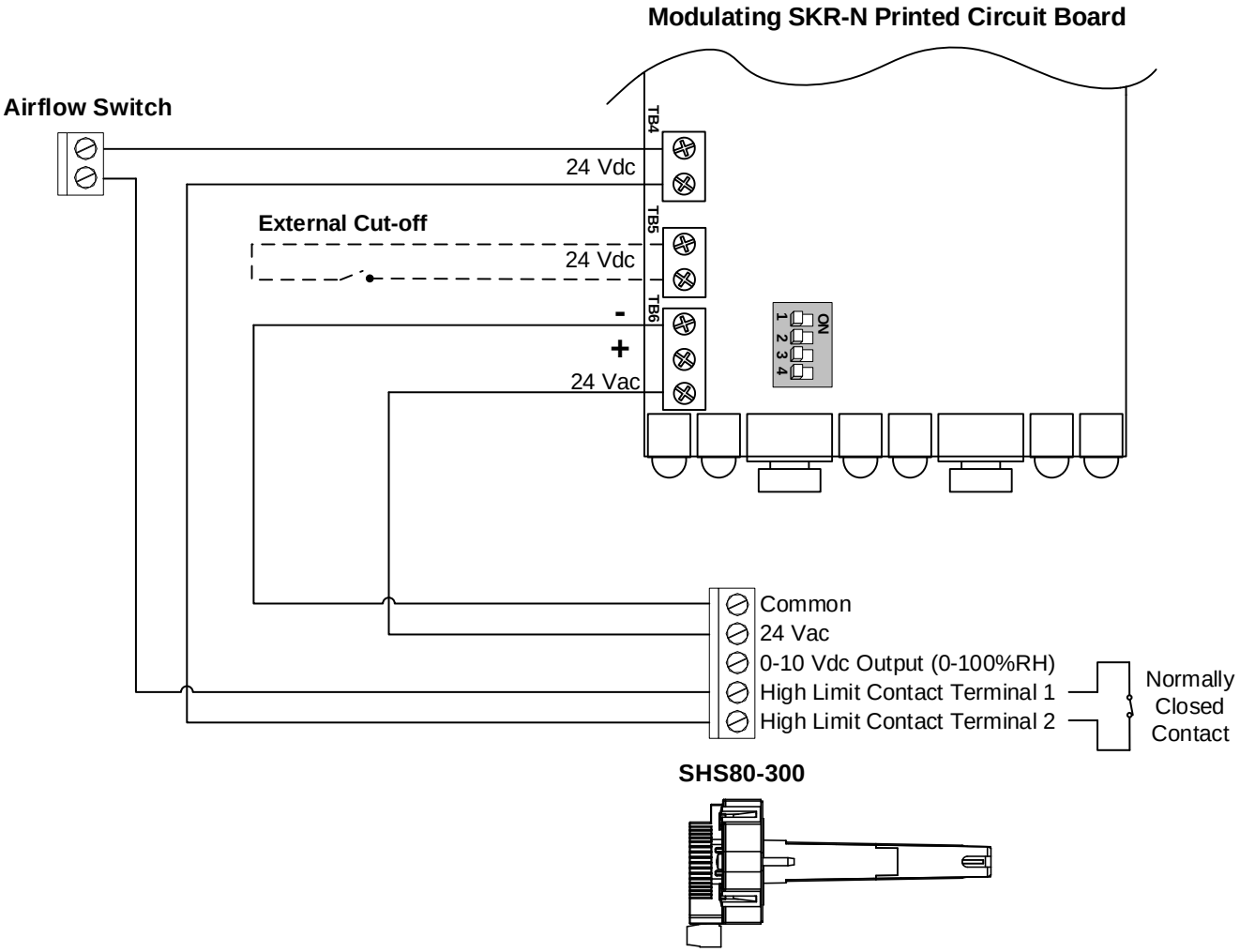
Wiring Diagrams

Terminal Description



Modulating SKR Humidifier - Kit N (North America)

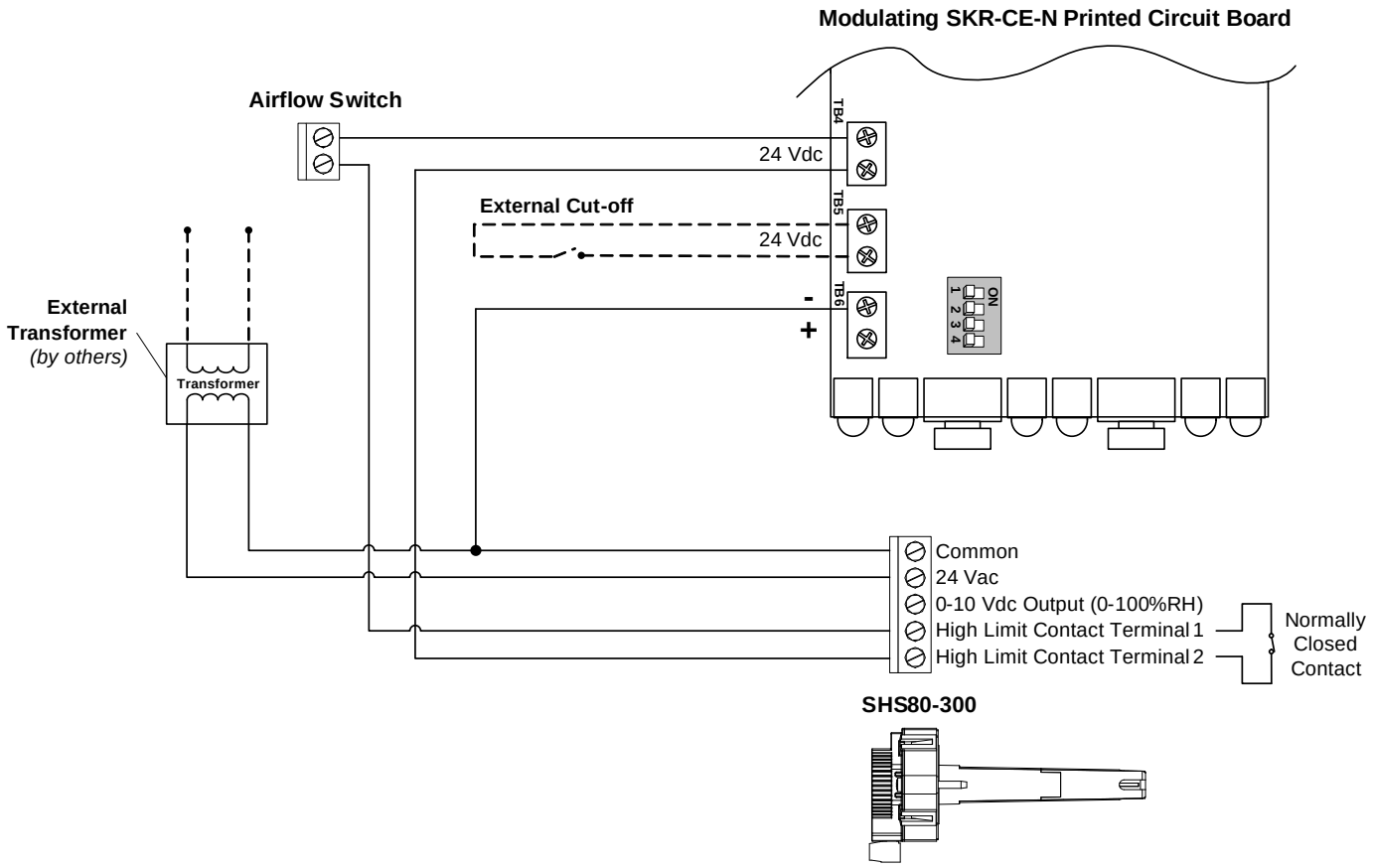
Standard Field Wiring



SHS80-300

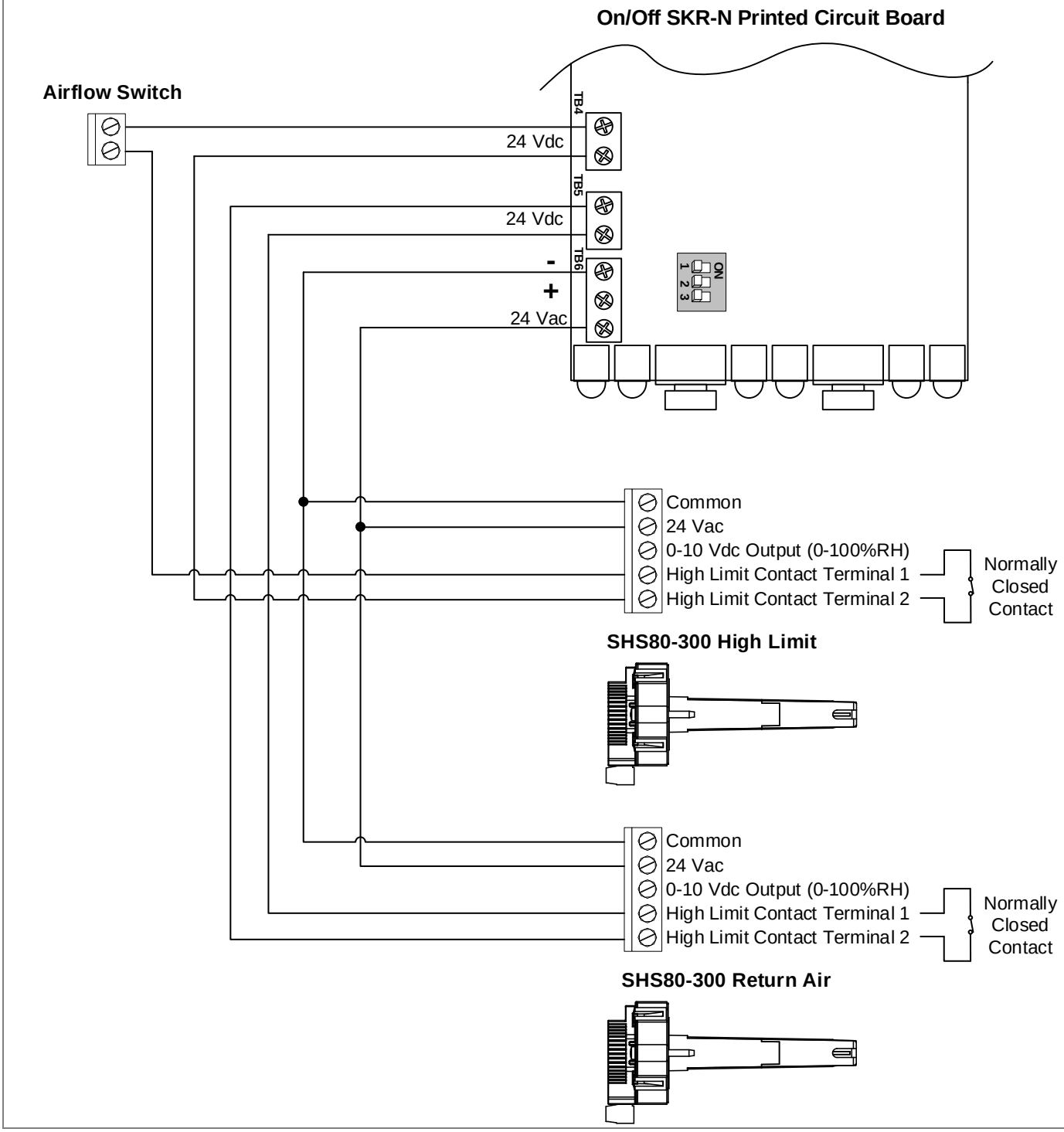
Modulating SKR Humidifier - Kit N (Europe)

Standard Field Wiring



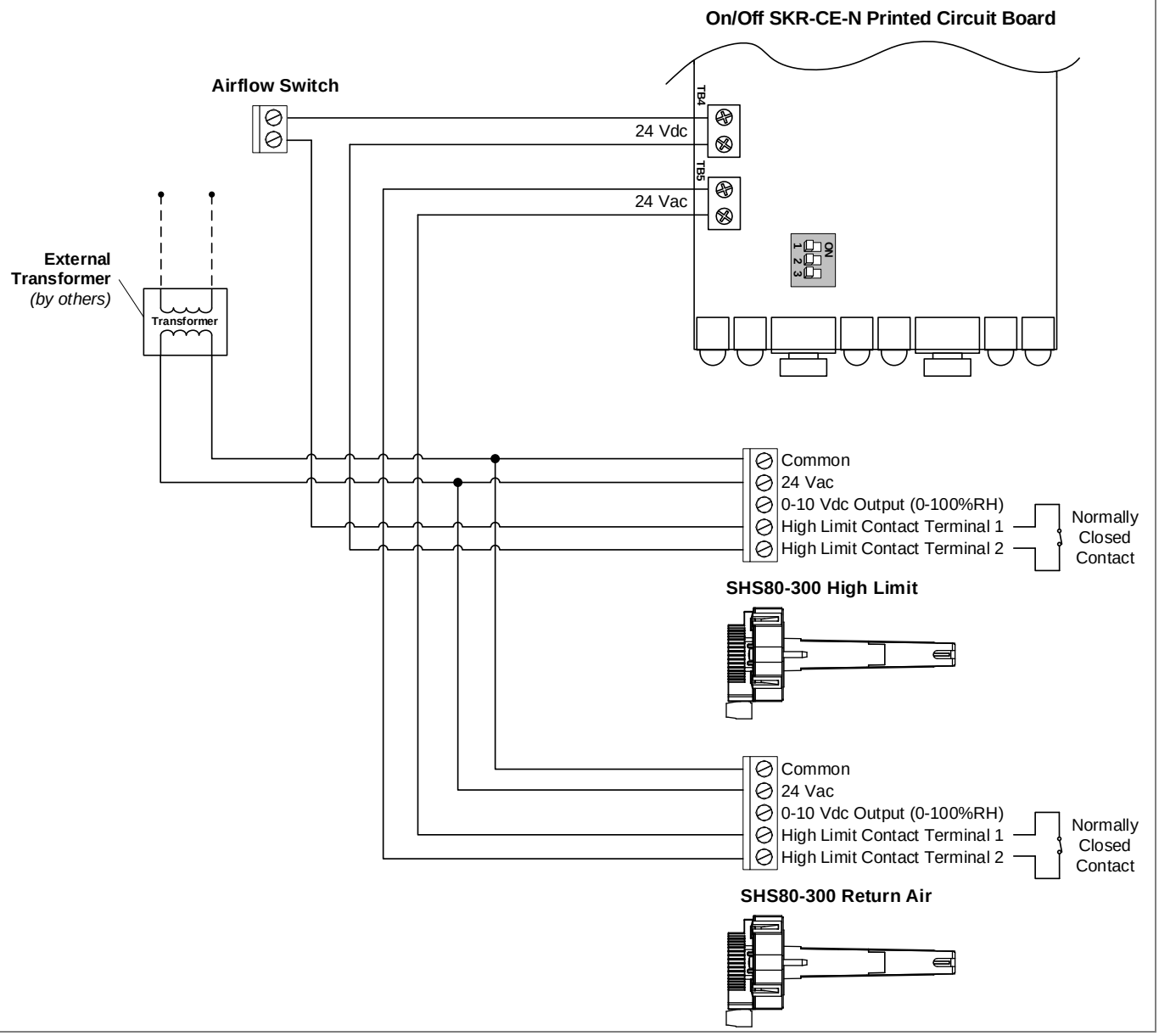
On/Off SKR Humidifier - Kit N (North America)

Standard Field Wiring



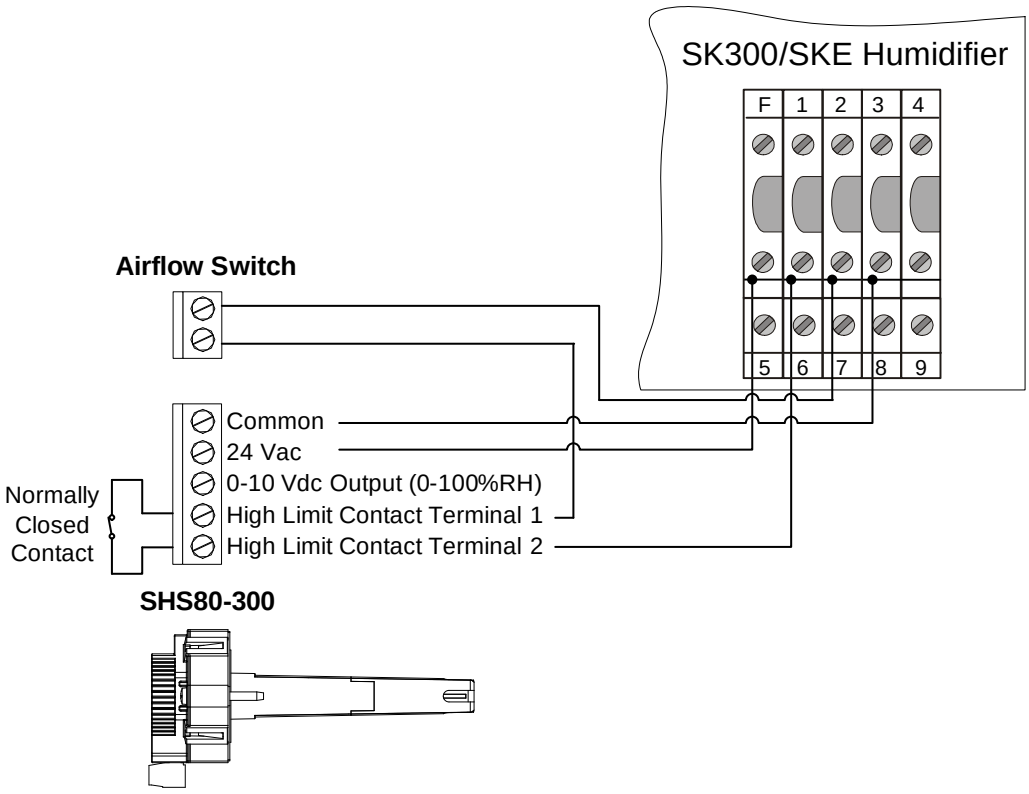
On/Off SKR Humidifier - Kit N (Europe)

Standard Field Wiring

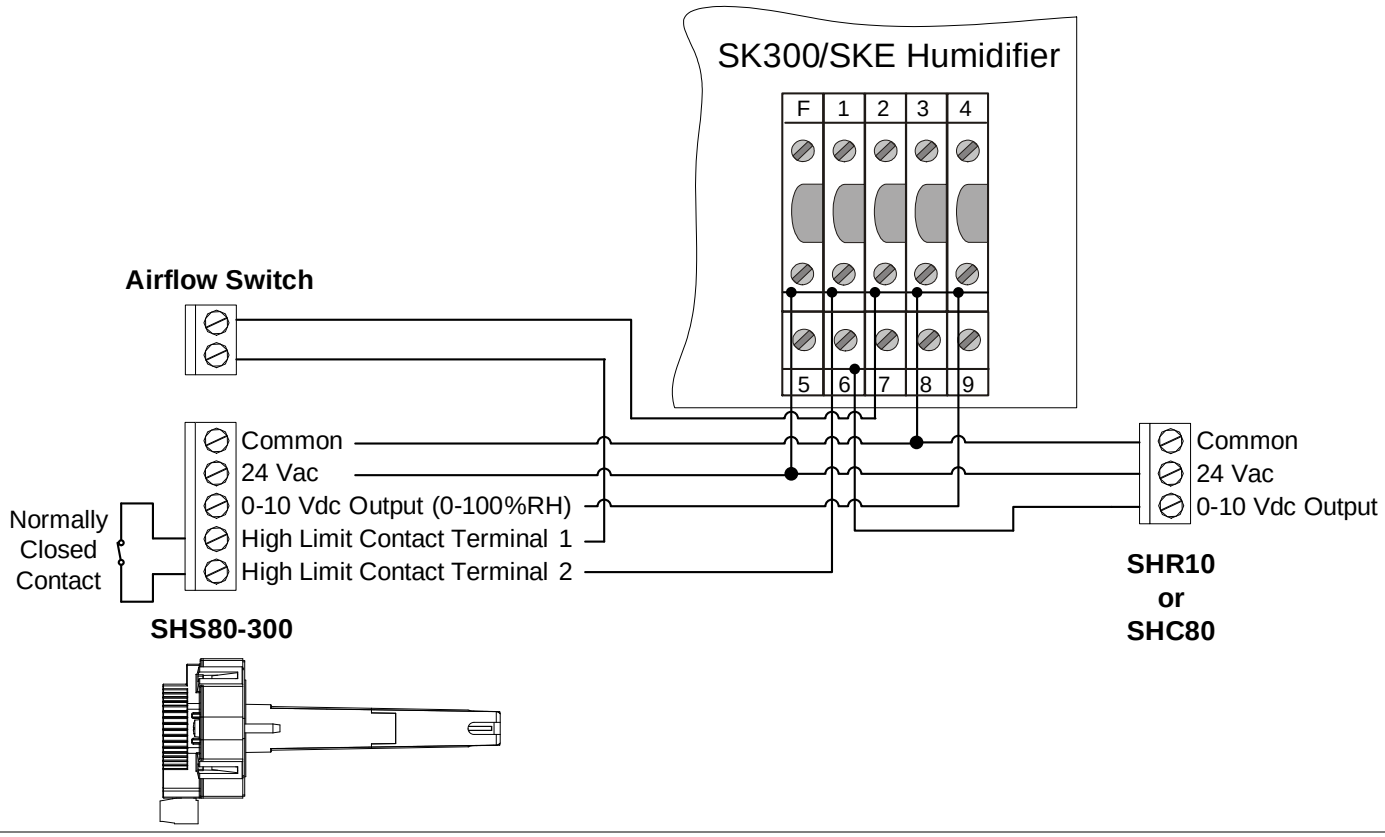


Modulating SK300/SKE Humidifier

Standard Field Wiring



Field Wiring for VAV Application



Notes

	Recycling at end of life: please return this product to your Neptronic local distributor for recycling. If you need to find the nearest Neptronic authorized distributor, please consult **www.neptronic.com**.

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