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Model Number: 1406003

DriStorm 1406003 Suntec SDP0106003 Humidistat Sensor for Commercial Dehumidifiers

Manufacturer: Clean Storm

DriStorm 1406003 / Suntec SDP0106003 Humidistat Sensor

Replacement humidity-sensing assembly for select DriStorm and Suntec commercial dehumidifiers. Supplied with the sensor circuit board, protective mounting plate, insulated cable, and plug-in electrical connectors shown in the product photographs.

Product Highlights

- Measures the surrounding air's relative humidity
- Provides humidity information to the dehumidifier control system
- Replacement for applications specifying Suntec part SDP0106003
- Includes attached insulated wiring and plug-in connectors
- Designed for commercial restoration dehumidifier service

Product Specifications

Manufacturer/Brand
DriStorm / Suntec

Part Number
SDP0106003/ Wel 70203

Part Type
Humidistat / relative-humidity sensor assembly

Application
Select commercial dehumidifiers

Connection
Attached cable with plug-in electrical connectors

Quantity
One sensor assembly

What Does the Humidistat Sensor Do?

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The humidistat sensor samples the air entering or surrounding the dehumidifier and reports the relative-humidity level to the machine's electronic control system. This information may be used to display the current humidity level, control automatic operation, and determine when the desired humidity setting has been reached.

This is different from the ambient-temperature sensor and the refrigeration-coil temperature sensor. Each sensor performs a separate function and may use a different part number, connector, cable, or mounting location.

Possible Symptoms of a Failed Humidity Sensor

- Displayed relative-humidity reading is inaccurate or unrealistic
- Humidity reading remains fixed and does not change
- Dehumidifier shuts off before the room reaches the selected humidity level
- Machine continues operating after the humidity set point has been reached
- Automatic or humidistat-controlled mode does not operate correctly
- Control panel displays a humidity-sensor fault or error
- Sensor board, connector, cable, or wiring is visibly damaged

Diagnostic note: Similar symptoms can be caused by a loose connector, damaged cable, contaminated sensor opening, control-board problem, incorrect settings, or high humidity entering the machine from another area. Proper troubleshooting is recommended before ordering electrical components.

Known Compatibility

Designed for select DriStorm and Suntec-built commercial dehumidifiers that specify SDP0106003 as the humidity-sensor part number.

Important: Components may vary according to dehumidifier model, production date, control-board version, and serial number. Verify part number SDP0106003 and compare the cable, connectors, mounting plate, and sensor-board configuration with the product photographs before ordering.

Installation Guidelines

- Unplug the dehumidifier before removing any cabinet panels.
- Photograph the original sensor location, connectors, and cable routing.
- Disconnect the existing sensor without pulling directly on the wires.
- Inspect the adjoining harness and control-board connection for corrosion or damage.
- Install the replacement sensor in the same position and orientation as the original.
- Route the cable away from fan blades, sharp sheet metal, hot tubing, and moving components.
- Reconnect all plugs securely before reinstalling the cabinet panels.
- Restore power and compare the displayed humidity with a known humidity meter when possible.

Package Includes: One SDP0106003 humidistat sensor assembly with circuit board, sensor housing, mounting plate, attached insulated cable, and connectors, as shown.

Not Included: Control board, display panel, mounting hardware not shown, dehumidifier, temperature sensors, or additional wiring harnesses.

Before Ordering

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- Confirm Suntec part number SDP0106003.
- Compare the number and shape of the electrical connectors.
- Compare the cable length and protective braided sleeve.
- Compare the circuit-board and mounting-plate configuration.
- Confirm that you need the humidity sensor rather than a temperature sensor.

Electrical-service warning: Disconnect the machine from electrical power before service. Installation and diagnosis should be completed by a qualified technician familiar with commercial dehumidifier electrical systems.

Product photographs are supplied for identification. Orders are fulfilled according to the listed part number. Connector color, cable markings, circuit-board color, mounting-plate appearance, and minor manufacturing details may change without notice.

Availability: This product was added to our catalog on Tuesday 04 August, 2026