TE-637DP-1 Surface-mount Duct Temperature Sensor Catalog Page

LIT-1900989

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Description

The TE-637DP-1 provides temperature sensing in a compact surface-mounted unit for use inside economizer rooftop systems. The unit housing is a durable plastic enclosure that installs easily to the duct surface. A protective membrane prevents sensor contamination due to dust, dirt, and insects.

The TE-637DP-1 has a thermistor temperature sensor with a negative temperature coefficient, and a reference resistance of 2.2k ohms at 77°F (25°C).

Features

- protective membrane—prevents sensor contamination
- quick-mount, 2-screw installation—reduces installation time
- compact enclosure for mounting inside ducts—designed for rooftop unit applications and retrofits; enables surface-mount installation

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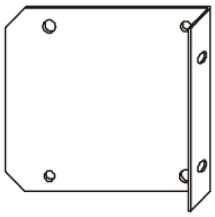
Repair information

Field repairs must not be made. To obtain a replacement, contact the nearest Johnson Controls representative.

Selection chart

To order a duct-mount temperature sensor, contact your local Johnson Controls representative and specify product code number TE-637DP-1.

Table 1: Accessories

Product Code Number	Description
ACC-BRKT-100	Mounting Bracket for mounting the sensor perpendicular to the duct; 3.25 H x 3.62 W x 0.75 in. D (83 x 92 x 19 mm) 
ACC-CBL-100	Wiring Harness, 53 in. (1.3 m)

Technical specifications

Table 2: TE-637DP-1 Surface-mount Duct Temperature Sensor technical specifications

Specification	Description
Reference Resistance	2.2k ohms at 77°F (25°C)
Resistance Change	Nonlinear, negative temperature coefficient
Accuracy	±0.9°F (0.5°C) in the range of 32 to 158°F (0 to 70°C)
Ambient Operating Conditions	32 to 131°F (0 to 55°C) 0-100% RH, 85°F (29.4°C) maximum dew point
Survival Operating Conditions	-22 to 140°F (-30 to 60°C) 0 to 100% RH, 85°F (29.4°C) maximum dew point
Ambient Storage Conditions	-40 to 140°F (-40 to 60°C) 0-100% RH, 85°F (29.4°C) maximum dew point
Terminal Connections	1/4 in. (6.35 mm) male spade
Acceptable Wire Gauge	16 to 24 AWG wire (18 AWG wire recommended)
Dimensions (H x W x L)	3.00 x 3.00 x 1.23 in. (76 x 76 x 31 mm)
Shipping Weight	0.50 lb (0.23 kg)

Product warranty

This product is covered by a limited warranty, details of which can be found at www.johnsoncontrols.com/buildingswarranty.

Software terms

Use of the software that is in (or constitutes) this product, or access to the cloud, or hosted services applicable to this product, if any, is subject to applicable end-user license, open-source software information, and other terms set forth at www.johnsoncontrols.com/techterms. Your use of this product constitutes an agreement to such terms.

Patents

Patents: https://jcipat.com

Single point of contact

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Contact information

Contact your local branch office: www.johnsoncontrols.com/locations

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