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You can read the recommendations in the user guide, the technical guide or the installation guide for HONEYWELL T7412D. You'll find the answers to all your questions on the HONEYWELL T7412D in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HONEYWELL T7412D
User guide HONEYWELL T7412D
Operating instructions HONEYWELL T7412D
Instructions for use HONEYWELL T7412D
Instruction manual HONEYWELL T7412D

Honeywell

T7412A,B,C,D,E
ROOM TEMPERATURE SENSOR

PRODUCT DATA



FEATURES

- PT1000, PT100, NTC20k Ω , or BALCO 500 temperature sensing element
- Sensing range 0...50 °C (32...122 °F)
- High-precision sensor elements
- Attractive housing
- Occupied/unoccupied slide switch
- Fan speed switch
- Push-button for time extension or other purposes and LED for status indication

SPECIFICATION

Ambient Limits

Operating temperature	0...50 °C (+32...+122 °F)
Transport and storage temp.	-25...+70 °C (-13...+158 °F)
Humidity	5...95%rh, non-condensing

Safety

Protection class	II
Protection standard	IP30
Flame retardant housing	V0
Housing	Plastic (ABS)
Dimensions (H x W x D)	130 x 80 x 34 mm (5.12 x 3.15 x 1.34")
Weight	100 g
Mounting	Wall, surface, or European outlet box

Connections

Screw terminals	for 2x1.5 mm ² conductors
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Potentiometer/switches

CPA/SPA potentiometer circuit	see Fig. 1 on page 3
Occupancy switch or extend push-button	Potential-free contact

Occupancy

-occupied	closed < 100s
-unoccupied	open > 40k Ω
Fan speed switch	Resistor Network
-auto-OFF-I-II-III	

GENERAL

The T7412A,B,C,D,E Room Temperature Sensors are used for room temperature measurement and remote control-point adjustment (CPA) or remote setpoint adjustment (SPA) in heating, ventilating and air conditioning systems. Models are available with PT1000, PT100, NTC 20k Ω , or BALCO 500 sensing elements and with or without remote control or setpoint adjustment. They are suitable for the following control systems:

- Excel IRC
- Excel Plus and High Performance Excel Plus
- Excel EMC
- Excel 5000
- Excel Glasic
- MicroK 100 and MicronK 200

or other systems using PT1000, PT100, NTC 20k Ω , or BALCO 500 sensing elements. As a passive product, this sensor is not subject to the requirements of CE.

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EN0B-0240GE51 R1009



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Manual abstract:

..50 °C (+32...+122 °F) -25...+70 °C (-13..

..+158 °F) 5...95%rh, non-condensing II IP30 V0 Plastic (ABS) 130 x 80 x 34 mm (5.

12 x 3.15 x 1.34") 100 g Wall, surface, or European outlet box for 2x1.5 mm² conductors °C - + GENERAL The T7412A,B,C,D,E Room Temperature Sensors are used for room temperature measurement and remote control-point adjustment (CPA) or remote setpoint adjustment (SPA) in heating, ventilating and air conditioning systems. Models are available with PT1000, PT100, NTC 20k, or BALCO 500 sensing elements and with or without remote control or setpoint adjustment.

They are suitable for the following control systems: · Excel IRC · Excel Plus and High Performance Excel Plus · Excel EMC · Excel 5000 · Excel Classic · MicroniK 100 and MicroniK 200 or other systems using PT1000, PT100, NTC 20k, or BALCO 500 sensing elements. As a passive product, this sensor is not subject to the requirements of CE. Potentiometer/Switches CPA/SPA potentiometer circuit see Fig. 1 on page 3 Occupancy switch or extend push-button Potential-free contact Occupancy - occupied - unoccupied Fan speed switch - auto-OFF-I-II-III closed < 100 open > 40k Resistor Network ® U.S. Registered Trademark Copyright © 2009 Honeywell Inc. · All rights reserved EN0B-0240GE51 R1009 T7412A,B,C,D,E ROOM TEMPERATURE SENSOR Temperature Sensor Sensing element Characteristic Sensing range Response time Resistance PT1000 PT100 BALCO 500 NTC 20k Sensitivity PT1000 PT100 BALCO 500 NTC 20k Accuracy PT1000 / PT100 BALCO 500 NTC 20k PT1000, PT100, BALCO 500, NTC 20k see EN0B-0476GE51 for characteristic 0...+50 °C (+32.

..+122 °F) 0.5 2.5 min 1000 at 0 °C 100 at 0 °C 500 at 23.3 °C 20k at 25 °C 3.85 / K 0.385 / K 2 / K non-linear characteristic DIN IEC 751 Class B 0.3 K + 0.5% · t(t in °C) ±1 at 23.

3 °C 0.3 K at 25 °C Order Numbers OS no. @ @1. @ @ @ @ They should be located approx. @ @ @ @ @ @ @ @ @1.

Connections 3 EN0B-0240GE51 R1009 T7412A,B,C,D,E ROOM TEMPERATURE SENSOR 123456 12 T7412A T7412B,C,D,E Fig. 2. Connector positions MOUNTING AND DIMENSIONS 80 (3.15") 20 (0.79") 11 (0.

43") 30 (1.18") 2 1 1 130 (5.12") Five mounting holes with a diameter of 4 mm (0.16") for three (two) 3.5-mm (0.14") screws mounted in positions 1 (preferred) or 2. 2 1, 2 34 (1.34") Fig. 3. Mounting and dimensions Manufactured for and on behalf of the Environmental and Combustion Controls Division of Honeywell Technologies Sàrl, Rolle, Z.

A. La Pièce 16, Switzerland by its Authorized Representative: Automation and Control Solutions Honeywell GmbH Böblinger Strasse 17 71101 Schönaich, Germany Phone: (49) 7031 63701 Fax: (49) 7031 637493 <http://ecc.emea.honeywell.com> Subject to change without notice. .



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