

T7460A1018

Wall Module

PRODUCT DATA



GENERAL

The T7460A1018 Wall Module belongs to a family of direct-wired wall modules for use with

- Excel 800
 - Excel Web
 - Excel IRC
 - Honeywell ComfortPoint Open
- or other systems using a PT1000 sensing element.

FEATURES

- Mountable on 60 mm (2.36 in.) wall outlet box or directly on a wall.
- PT1000 temperature sensing element
- Sensing range 0...50 °C (32...122 °F)
- High-precision sensor elements
- Attractive housing
- CE-approved.
- IP 30 housing.

SPECIFICATIONS

Ambient limits

Operating temperature	6...40 °C (43...+104 °F)
Transport and storage temp.	-40...+65 °C (-40...+150 °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)	See Fig. 1
Weight	150 g
Mounting	Wall, surface, or European outlet box

Connections

Screw terminals	for 1.5 - 0.3 mm ² (16...22 AWG) conductors
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Temperature sensor

Sensing element	PT1000
Characteristic	see EN0B-0476GE51 for characteristic
Sensing range	0...+50 °C (+32...+122 °F)
Response time	$\tau_{0.5} \approx 2.5$ min

Resistance

PT1000	1000Ω at 0 °C
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Sensitivity

PT1000	$\approx 3.85 \Omega / K$
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Accuracy

PT1000	DIN IEC 751 Class B 0.3 K + 0.5% • t (t in °C)
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CONSTRUCTION

Two-piece construction: cover (white: RAL 9016) and internally wired subbase. Field wiring 1.5 - 0.3 mm² (16...22 AWG) connects to a terminal block on the PCB.

The T7460A1018 can be mounted on a 60-mm wall outlet / junction box using No. 6 (3.5-mm) screws or on a wall. When mounting directly on a wall, use the type of screws appropriate for the wall material. For details, see T7460A,B,C,D,E,F Installation Instructions (product literature no.: EN1B-0291GE51).

NOTE: Maintain a mounting clearance of approx. 10 cm (4 in.) to the left-hand side of the module in order to allow a free airflow for the temperature sensor and accessibility of the setpoint dial. Do not mount the wall modules on an outside wall, on a wall containing water pipes, or near air ducts. Avoid locations that are exposed to discharge air from registers or radiation from lights, appliances, or the sun. See also section "Wiring".

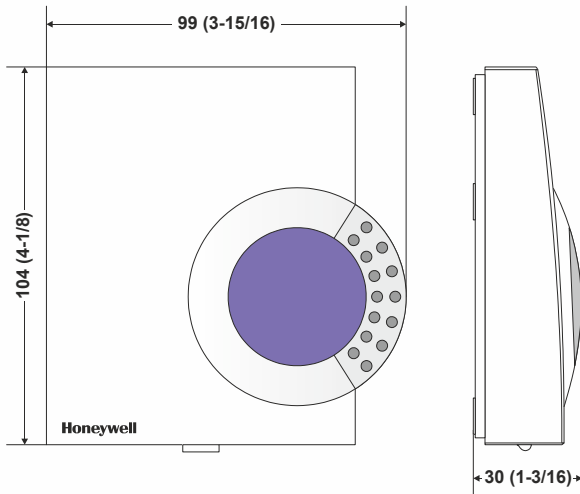


Fig. 1. T7460A1018 dimensions in mm (in.)

WIRING

Keep wiring at least 300 mm (1 ft.) away from large inductive loads such as motors, line starters, lighting ballasts, and large power distribution panels. Run wall module wiring separately from 50 Vac or greater power wiring.

wiring run	maximum length
sensor to controller	200 m (660 ft)


The offset due to wire resistance per 10 m of distance from the sensor to the controller is stated in the following table:

type of wire	temperature offset
0.3 mm ² (AWG22)	0.18 °C (0.324 °F)
1.0 mm ² (AWG17)	0.09 °C (0.162 °F)
1.5 mm ² (AWG16)	0.06 °C (0.108 °F)

Honeywell

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 (0) 7031 637 01
 Fax +49 (0) 7031 637 740
<http://ecc.emea.honeywell.com>

 **AutomatikCentret**
 Strandvejen 42 • Saksild • 8300 Odder
 86 62 63 64 • www.automatikcentret.dk
info@automatikcentret.dk