

EN
Technical characteristics

Radio Frequency	2400-2483,5MHz
Maximum radio power	10 mW
Input Voltage	EU: AC200-240V, 50/60Hz
Max Current (resistive load)	16A
Power Consumption	<2W
Standby Power Consumption	≤ 0.4W (Relay turns off, the lowest display brightness)
Sensors	Air temperature, floor temperature
Ambient Temperature	0°C to 40°C (during operation)
Set Temperature Range	5°C to 35°C
Floor sensor type	1. NTC/10K B(25/50°C)=3950 (default) 2. NTC/15K B(25/50°C)=3950 3. NTC/50K B(25/50°C)=3950 4. NTC/100K B(25/50°C)=3950 5. NTC/12K B(25/50°C)=3950
Wiring Requirement	Current ≤ 13A - 1.5mm ² wire Current > 13A to 16A - 2.5mm ² wire
IP Rating	IP21
Control Pollution Degree (Method D)	pollution degree 2
Rated Impulse Voltage (Method D)	4kV
Dimensions	80,5 x 80,5 x 51,5mm

CE European Directive RED 2014/53/UE (supersedes R&TTE 1999/5/CE)
Delta Dore hereby declares that the equipment complies with the essential requirements and other relevant provisions of the Directive RED 2014/53/UE.
The EU declaration of conformity for this equipment is available, on request, from: «Technical information» department DELTA DORE - 35270 BONNEMAIN (France) - e-mail: info.techniques@deltadore.com

WEEE European Directive 2012/19/EC (WEEE)
Disposal of old electrical & electronic equipment (applicable in the European Union and in other European countries with separate collection systems). This symbol on the product or its packaging indicates that this product shall not be treated as household waste. Instead, it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment, such as for example:
- sales points, in case you buy a new and similar product
- local collection points (waste collection centre, local recycling center, etc.)
By ensuring this product is disposed of correctly, you will help prevent potential negative consequence for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

DELTA DORE - 35270 BONNEMAIN (France)
www.deltadore.com - e-mail: deltdadore@deltadore.com

NO
Tekniske egenskaper

Radiofrekvens	2400 - 2483,5 MHz
Maksimal radioeffekt	10 mW
Inngangsspenning	EU: AC 200-240 V, 50/60 Hz
Maks strøm (motstandsdyktig belastning)	16 A
Strømførbbruk	<2 W
Standby strømførbbruk	≤ 0,4 W (Reléet slås av, skjermens laveste lysstyrke)
Sensorer	Lufttemperatur, gulvtemperatur
Romtemperatur	0 °C til 40 °C (under drift)
Reguleringsområde	5 °C til 35 °C
Gulvsensortype	1. NTC/10 K B(25/50 °C)=3950 (standard) 2. NTC/15 K B(25/50 °C)=3950 3. NTC/50 K B(25/50 °C)=3950 4. NTC/100 K B(25/50 °C)=3950 5. NTC/12 K B(25/50 °C)=3950
Kabeltvernsnitt	1,5 - 2,5mm ²
IP-klassifisering	IP21
Kontroll av forurensningsgrad (metode D)	Forurensningsgrad 2
Nominell impuls spenning (metode D)	4 kV
Mål	80,5 x 80,5 x 51,5 mm

CE EU-direktiv RED 2014/53/UE (erstatte R&TTE 1999/5/CE)
Delta Dore erklærer herved at utstyret er i samsvar med de grunnleggende kravene og andre relevante bestemmelser i direktivet RED 2014/53/UE.
EU-svarerklæringen for dette utstyret er tilgjengelig på forespørsel fra: «Technical information»-avdeling DELTA DORE - 35270 BONNEMAIN (Frankrike) - e-post: info.techniques@deltadore.com

WEEE EU direktiv 2012/19/EC (WEEE)
Avhengig av gammelt elektrisk og elektronisk utstyr (gjelder for EU og andre europeiske land med separate innsamlingsystemer). Dette symbolet på produktet eller emballasjen indikerer at produktet ikke skal behandles som husholdningsavfall. I stedet skal det leveres inn til gjeldende innsamlingssted for gjenvinning av elektrisk og elektronisk utstyr, som for eksempel:
- salgssteder, hvis du kjøper et nytt og lignende produkt
- lokale innsamlingssteder (avfallssentral, lokal gjenvinningsstasjon osv.)
Når du sørger for at dette produktet avhendes på riktig måte, vil du bidra til å forhindre potensielle negative konsekvenser for miljøet og menneskers helse, det kan ellers forårsake uegnet avfallshåndtering av produktet. Gjenvinning av disse materialene vil hjelpe til med å ta vare på naturressursene våre. For mer detaljert informasjon om gjenvinning av dette produktet, kan du kontakte myndighetene, avfallstasjonene eller i butikken eller butikken der du kjøpte produktet.

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DE
Technische Eigenschaften

Funkfrequenz	2400–2483,5 MHz
Maximale Funkleistung	10 mW
Eingangsspannung	EU: AC200–240 V, 50/60 Hz
Max. Stromstärke (Ohmsche Last)	16 A
Stromverbrauch	<2 W
Stromverbrauch im Standby-Modus	≤ 0,4 W (Relais schaltet aus, geringste Display-Helligkeit)
Sensoren	Lufttemperatur, Fußbodentemperatur
Umgebungstemperatur	0 °C bis 40 °C (während des Betriebs)
Einstellen des Temperaturbereichs	5 °C bis 35 °C
Fußbodensensor-Typ	1. NTC/10K B(25/50 °C)=3950 (Voreinstellung) 2. NTC/15K B(25/50 °C)=3950 3. NTC/50K B(25/50 °C)=3950 4. NTC/100K B(25/50 °C)=3950 5. NTC/12K B(25/50 °C)=3950
Anforderungen an die Verdrahtung	Stromstärke ≤ 13 A - 1,5 mm ² Drahtstärke Stromstärke > 13 A bis 16 A - 2,5 mm ² Drahtstärke
IP-Schutzart	IP21
Kontrolle des Verschmutzungsgrads (Methode D)	Verschmutzungsgrad 2
Bemessungsstoßspannung (Methode D)	4 kV
Abmessungen	80,5 × 80,5 × 51,5 mm

CE Europäische Richtlinie RED 2014/53/UE (ersetzt R&TTE 1999/5/EG)
Delta Dore erklärt hiermit, dass das Gerät mit den grundlegenden Anforderungen und anderen relevanten Bestimmungen der Richtlinie RED 2014/53/UE übereinstimmt.
Die EU-Konformitätserklärung für dieses Gerät ist auf Anfrage erhältlich bei: Abteilung „Technische Informationen“ DELTA DORE - 35270 BONNEMAIN (Frankreich) - E-Mail: info.techniques@deltadore.com

WEEE Europäische Richtlinie 2012/19/UE (WEEE)
Entsorgung von Elektro- und Elektronikgeräten (gilt in der Europäischen Union und in anderen europäischen Ländern mit getrenntem Sammelsystemen). Dieses Symbol auf dem Produkt oder seiner Verpackung bedeutet, dass dieses Produkt nicht als Hausmüll behandelt werden darf. Stattdessen ist es bei der entsprechenden Sammelstelle für das Recycling von Elektro- und Elektronikgeräten abzugeben, wie z. B.:
- Verkaufsstellen, falls Sie ein neues und ähnliches Produkt kaufen
- lokale Sammelstellen (Abfallsammelstelle, lokales Recyclingzentrum usw.)
Indem Sie sicherstellen, dass dieses Produkt ordnungsgemäß entsorgt wird, tragen Sie dazu bei, mögliche negative Folgen für die Umwelt und die menschliche Gesundheit zu vermeiden, die andernfalls durch eine unsachgemäße Abfallbehandlung dieses Produkts verursacht werden könnten. Das Recyceln von Materialien trägt zur Schonung der natürlichen Ressourcen bei. Nähere Informationen zum Recyceln dieses Produkts erhalten Sie bei Ihrer Stadtverwaltung, Ihrem Entsorgungsunternehmen für Haushaltsabfälle oder dem Geschäft, in dem Sie das Produkt gekauft haben.

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Screen and button overview

4 operating modes:
 Sleep (Night),
 Auto (Schedule),
 Absence,
 Manual (comfort)

Down button: Decrease the set temperature, decrease the configuration parameter value.
 Up button: Increase the set temperature, increase the configuration parameter value.

Icon Description
 When the device is added to a Zigbee network: The icon turns on.
 Keypad Lock enabled: the icon turns on.

SET icon turns on : setpoint temperature is displayed.
ROOM icon turns on : real room temperature is displayed.
FLOOR icon turns on : real floor setpoint temperature is displayed.

Location

Since the temperature measurement sensor is inside the device, you must install the thermostat in a flush mounted box:
 - on an accessible wall at a height of 1.50 m.
 - away from heat sources, fireplaces, sunlight and draughts (windows, doors).

IMPORTANT:
 Do not install the thermostat on a wall that is in contact with the outdoors or with an unheated room (e.g. garage, etc.) The sleeve output in the flushmounting box must be blanked off (with mastic) in order to avoid unwanted air movements that could bias the sensor reading.

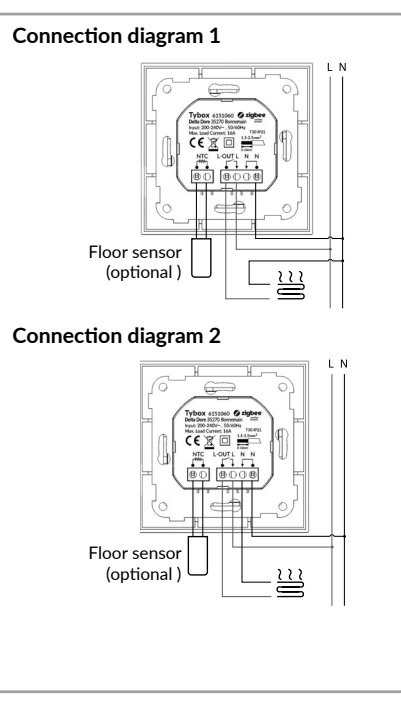
Wiring diagram

This device should be installed by a licensed electrician in a manner that conforms to local regulations and building regulations. Provide these instructions to the licensed electrician who is installing the device.

- Remove the display unit and backplate of the device from the packaging.
- FIRST ENSURE THE POWER IS OFF at the main consumer unit, and then test the wires with a probe or multimeter to verify.
- Insert the power and heating wires to the correct device terminals by inserting a small Phillips-head screwdriver in the slot beneath each terminal to open. Follow the connection diagram and instructions below:

- Power input: Connect Live & Neutral wires to L & N terminals labeled "IN".
- Heating output: Connect Live & Neutral wires to L & N terminals labeled with "heating element" graphic.

WARNING:
 The wire size shall be in compliance with regulations, using a wire of insufficient size for large loads will cause a severe temperature increase.



Safety & Warnings

Important: Read All Instructions Prior to Installation

- WARNING: Electrical power must be switched off during installation**
- DO NOT** install with power applied to device.
- The diagrams provided are simplified for greater clarity. Protection and other accessories required by standards are not illustrated. - Standard NF C15-100 and good practice must be complied with. Connected or nearby units must not generate excessive interference (directive 89/336/EEC).
- The electrical HVAC controller is a wireless thermostat for heating systems, which complies to Zigbee 3.0 wireless protocol standards. The thermostat can be controlled manually, locally or remotely via Tydom (Home/Pro) which supports Zigbee.

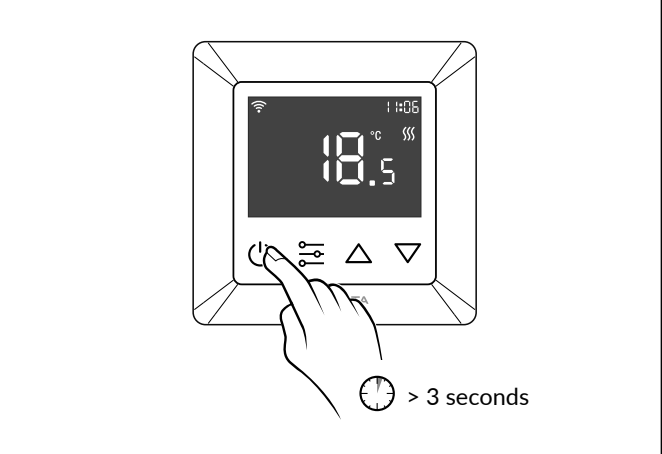
Internal Over Heat Protection
 To ensure higher safety during the heating process. If the internal temperature of the device becomes too hot, the device will temporarily turn off the relay. The icon will flash slowly until the temperature drops, the device will then operate normally.

Power Up Display

"HE": "HE" indicates that this device is a heat only device.
 G14: "G 14" indicates that the thermostat has already communicated with zigbee, zigbee version is 14, otherwise "G 14" will not be displayed.
 "M1.5": indicates the firmware version number of the thermostat is 1.5.

Home Screen - Standby Screen
 If there is no interaction with the thermostat, the display will reduce the brightness after 6 seconds.

Basic Function
 Turn the thermostat on or off
 Press and hold button for 3S to turn on or turn off the thermostat.



Thermostat Modes

After turning on the device, the home screen will be active, a short press of will change between the modes.
 Modes will change according to the following sequence Sleep - Auto - Absence - Manual.

- Sleep (Night): Manually modify the set temperature on the home screen, default value is 17°C.
- Auto (Schedule): Auto mode activates the schedule set in Parameter P-19. This mode is also used when running a schedule or temperature from the App.

Important Schedule Warning.
 When the thermostat is associated with the Tydom application, it is recommended to use the Tydom application to carry out the programming.
 Please ensure any schedule on the device is deactivated (in P-19) as this could cause a conflict.

Absence: Manually modify the set temperature on the home screen, default is 6°C.
 Manual (comfort): Manually modify the set temperature on the home screen, default value is 20°C.

Temperature Setting

After turning the device on, the temperature can be manually set for the different modes via the home screen.
 when in Auto (schedule) mode, the temperature follows that of the schedule set in Parameter P-19.

A. to increase the setpoint temperature, press the up button to increase the temperature by increments of 0.5°C, press and hold the up button to increase the temperature more rapidly.

B. to decrease the setpoint temperature, press the down button to decrease the temperature by increments of 0.5°C, press and hold the down button to decrease the temperature more rapidly.

Keypad Lock

On the home screen, press and hold the 3 buttons at the same time for over 5 seconds, subsequently the icon will flash slowly, which means the lock is activated. When the device is locked, if any button is pressed, the icon will flash for 1.5 seconds.
 On any screen, if the lock has already been activated, press and hold the 3 buttons at the same time for over 5 seconds, subsequently the icon will disappear, which means the lock is deactivated.

Setting The Parameters

Introduction

- From any screen, press and hold button to enter the main parameter menu. "P-01" will flash to indicate that you have accessed the main parameter menu - at parameter 01.
- Use the or button to select the parameter that you would like to configure: "P-01" --> "P-02" ...
- Press the button once to enter the selected parameter. The current value of the parameter will then flash slowly
- Use the or button to modify the parameter value.
- Press the button once to confirm and save the modification and return to the main parameter menu, or press button to return to the main parameter menu directly without saving the modification.
- From the main parameter menu, press button to return to the home screen.

Parameter "P-01"

Adding thermostat from another Zigbee Network.
 Ensure the device is not still part of another Zigbee Network, perform a factory reset.

Adding a thermostat to the TYDOM app.
 Pairing with the Tydom app:
 Download the Tydom app. Depending on your device : Go to Google Play or the App Store and search for and download the free «Tydom» app.
 Go to the «Settings» page of your installation, select «Add a device» > Heating -> Electrical -> Tybox Zigbee 16A, then follow the instructions.

Important Schedule Warning.
 When the thermostat is associated with the Tydom application, it is recommended to use the Tydom application to carry out the programming.
 Please ensure any schedule on the device is deactivated (in P-19) as this could cause a conflict.

Adding the thermostat to other Zigbee ecosystems
 Select parameter "P-01", then press button to enter parameter "P-01", then press button or to select ("nE.A." means net add), then press button (Add) icon will be shown at the center of the display, meanwhile the icon will flash slowly, and the device will enter network pairing mode, the network pairing mode will last for 180 seconds.
 If the process time's out, please repeat this step.
 Once added to the Zigbee network successfully, the icon will illuminate.

Adding to a Zigbee Network

Quick tip:
 If the device has not been added to a network, it will enter pairing mode for the first 60 seconds after power has been applied to the device.

