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You can read the recommendations in the user guide, the technical guide or the installation guide for HONEYWELL T7560A. You'll find the answers to all your questions on the HONEYWELL T7560A in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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## Honeywell T7560A,B,C Digital Wall Module

HONEYWELL EXCEL 5000 OPEN SYSTEM

### INSTALLATION INSTRUCTIONS

#### BEFORE INSTALLATION

All wiring must comply with local electrical codes and ordinances or as specified on installation wiring diagrams. Digital Wall Module (DWM) wiring can be sized from 16 to 22 AWG (1.5 to 0.34 mm<sup>2</sup>), depending on the application. The max. length of wire from a device to a DWM is 164 ft (50 m). Twisted pair wire is recommended for wire runs longer than 100 ft (30.5 m).

#### CAUTION

**EMI Noise Introduction.**  
**Risk of erratic system operation.**  
Keep wiring at least one ft (305 mm) away from large inductive loads such as motors, line starters, lighting ballasts and large power distribution panels. During installations, try to avoid areas of high EMI noise. Run DWM wiring separately from 50 Vac or greater power wiring.

#### WARNING / CAUTION

- Risk of electric shock or equipment damage!**
- Do not touch any live parts inside the DWM housing.
  - Disconnect the power supply before making connections to or removing connections from the DWM's terminals.
  - Do not reconnect the power supply until you have completed the installation.
  - If the DWM is powered via terminal 8 and connected to earth ground, then the cable must be shielded.
- Observe precautions for handling electrostatic sensitive devices.



Table 1. Types of DWM

	sensor	setpoint	bypass	fan override
T7560A	Temp	wheel	button	button
T7560B	Temp/Hum	wheel	button	button
T7560C	Temp/Hum	-	-	-

Temp = Temperature sensor; Hum = Humidity sensor

Table 2. Controller SW requirements for powering via terminal 5 and new LCD signaling

VAV	Fan Coil Unit	Hydronic	Chilled Ceiling
W7751H	W7752	W7754	W7752
1.02.15	1.00.04	1.00.02	1.00.03

**NOTE:** A software module (ModAL module GNRSC02A) is available to adapt the DWM to the respective Excel 20, 50, 100, 500, 600, or 800 controller, making any further configuring obsolete. Contact your local Honeywell distributor for further details.

#### DWM DISASSEMBLY

The T7560A,B,C comes packed with a sub-base that mounts separately for ease of installation. The cover is fixed by a latch on the underside of the unit. Remove the cover as shown in Fig. 1 (T7560A,B) or Fig. 2 (T7560C):

- Insert the tip of an awl or a similar narrow, pointed object into the small hole in the latch (T7560A,B) or simply depress the latch by hand (T7560C).
- Pry off the cover.



Fig. 1. DWM disassembly (T7560A,B)

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EN18-0146GE51 R0308B



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**Manual abstract:**

Digital Wall Module (DWM) wiring can be sized from 16 to 22 AWG (1.5 to 0.34 mm<sup>2</sup>), depending on the application. The max. length of wire from a device to a DWM is 164 ft (50 m). Twisted pair wire is recommended for wire runs longer than 100 ft (30.5 m). T7560A T7560B T7560C 1 Table 1. Types of DWM sensor 1 setpoint bypass Temp wheel button Temp/Hum wheel button Temp/Hum - fan override button button - Temp = Temperature sensor; Hum = Humidity sensor Table 2. Controller SW requirements for powering via terminal 5 and new LCD signaling Fan Coil Unit VAV Hydronic Chilled Ceiling W7751H W7762 W7763 W7752 W7754 1.

02.15 1.00.04 1.00.

02 1.00.03 1.00.03 CAUTION EMI Noise Introduction.

Risk of erratic system operation. Keep wiring at least one ft (305 mm) away from large inductive loads such as motors, line starters, lighting ballasts and large power distribution panels. During installations, try to avoid areas of high EMI noise. Run DWM wiring separately from 50 Vac or greater power wiring. NOTE: A software module (ModAL module GNRSC02A) is available to adapt the DWM to the respective Excel 20, 50, 100, 500, 600, or 800 controller, making any further configuring obsolete. Contact your local Honeywell distributor for further details. WARNING / CAUTION Risk of electric shock or equipment damage! Do not touch any live parts inside the DWM housing. Disconnect the power supply before making connections DWM DISASSEMBLY The T7560A,B,C comes packed with a sub-base that mounts separately for ease of installation. The cover is fixed by a latch on the underside of the unit. Remove the cover as shown in Fig.

1 (T7560A,B) or Fig. 2 (T7560C): 1. Insert the tip of an awl or a similar narrow, pointed object into the small hole in the latch (T7560A,B) or simply depress the latch by hand (T7560C). 2. @ @ 1. DWM disassembly (T7560A,B) ® U.S. Registered Trademark Copyright © 2009 Honeywell Inc. @ @ Verify DWM is wired according to Fig. 4.

@ @ 2. @ @ (1.3 m) from the floor (or as specified on the installation drawings) to allow exposure to the average zone temperature. Do not mount the DWM 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.

The DWM is furnished with a terminal block; all field wiring connections are made to these eight terminals. The DWM has to be mounted in vertical position with the LCD display to the top. Mount the subbase directly on a wall (see Fig. 3) using the type of screws appropriate for the wall material. 2 \*\* With Excel 10 Controllers: W7751H (VAV), W7762 (HYD), and W7763 (CHC) For W7753 (UV) and W7761 (RIO), see NOTE below.

1 Fig. 4. Wiring of DWM NOTE: If connected to W7753 (UV) Controller, both terminals 4 and 6 must be connected. W7761 Remote I/O Controller supports only terminals 2 (temperature), 7 (humidity), and 1 (common), as well as terminal 8 as voltage supply. Wiring with terminal 8 is not necessary if: a) an FCU or CHC controller with software is connected (see table 2); or b) an Excel 500 with 6V/8V/10V signaling from the controller is used. The T7560A must then be powered by terminal 5. Power Fig. 3. Mounting of DWM (T7560A,B shown) See Fig. 6 for T7560A,B,C mounting dimensions.

The DWM can be powered as follows: · T7560A: preferably via the 5 V LED input (terminal 5); via terminal 8 is also possible · T7560B,C: via the 24 Vac/dc input (terminal 8). IMPORTANT The DWM can be powered only via terminal 5 with those controllers listed in Table 2, and if a SW version listed in Table 2 or higher is installed. If the DWM is powered via terminal 5, the Excel 10 controller must be configured for LCD\_DISPLAY (LED output continuously ON). NOTE: The 24 Vac power supply is needed only with the T7560B,C DWM (for the humidity sensor). Wiring Wire the terminal blocks as follows: 1. Strip 3/16 in. (5 mm) of insulation from the conductor. 2. Insert the wire in the required terminal location and tighten the screw to complete the termination. @ @ See Fig.

@ @ Alternatively, a DC voltage source with 18...30 V (e.g.

22 Vdc from W7750 CVAHU) can be connected to terminal 8. Input ratings Terminal 5: min. 5 Vdc I<sub>max</sub> 3 mA max. @ @ @ @ 5. Mounting cover of T7560A,B DWM CAUTION Low Voltage Equipment.

Risk of equipment damage. The 24 Vac power source for the DWM must be a Class II Power Source. @ @ @ @ The DWM power usage is < 0.2 VA at 24 Vac. The DWM does not require a dedicated transformer. @ @ @ @ @ 5. @ @ 6. @ @ This is done by using the buttons and the setpoint wheel (see Fig. @ @ @ @ @ @ @ @ @ 7. @ @ After power-up, all display segments are switched on for approx.

one second (see Fig. 8). @ @ 8. @ @ Press FAN OVERRIDE for at least 5 seconds. 2. @ @ 3. Release UNIT ENABLE. @ @ Press and hold FAN OVERRIDE while turning the setpoint wheel to select the parameter number. RESULT: The parameters with their currently set values are displayed; the behind the value indicates the currently set value (see below for values). 5.

Release FAN OVERRIDE and turn the setpoint wheel to select the parameter value. 6. Confirm selection by pressing UNIT ENABLE. 7. Repeat steps 4 to 6 to configure next parameter, or press BYPASS to leave the configuration mode.

NOTE: After approx. 10 seconds without further action, the DWM automatically falls back to normal mode. · · P5 · \* P6 Device type This item configures different devices. IMPORTANT: Stay on P6:1 and do not change to other configurations. EN1B-0146GE51 R0309B 4 T7560A,B,C DIGITAL WALL MODULES P7 \* Temperature offset Temperature offset; values of 0 through 99 are valid.

50 = no change (default), 49 = -0.1 °C, 51 = +0.1 °C, etc. This offset varies the LCD display value, only. It must be set separately in the XL10 controller. Switch back fan / temperature offset if unoccupied enable FAN Key / enable Setpoint Key enable FAN Key / disable Setpoint Key disable FAN Key / enable Setpoint Key disable FAN Key / disable Setpoint Key ACCESSORIES T7460LONJACK The T7460-LONJACK is a small board and allows easy access to LONWORKS via the DWM (the DWM must be already connected, in compliance with the max. cable lengths set forth by the LONWORKS Guidelines, to the LONWORKS network via a LONWORKS bus cable). Via an additional 3.5 mm jack plug on the board, a PC connection can be established. Order quantity: set with 5 pieces P8 \* · · · To "disable" means to switch back to FAN= auto / Setpoint offset = zero and disable operation.

To "enable" means to make normal operation possible (no action if unoccupied). "Unoccupied" means: · Effective Unoccupied (moon on continuously) or · Override Unoccupied (moon flashing). "Occupied" means: · Effective Occupied (sun on continuously) or · Override Occupied (sun flashing). P8 works only with configuration P4:1: LCD signaling. @ @ P9 · Limit setpoint Limit setpoint to ±0 ... 5 °C (if set to Celsius) or to 0 ...

9 °F (if set to Fahrenheit).



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@@@@@20% relative humidity in steps of 5%. This affects the output voltage on pin 7, only, and has no effect upon values appearing in the display. = 10%, = 15%, = 20% (default). LonWorks connection terminals PC connection (3).

5 mm jack plug) Fig 9. T7460LONJACK Mounting Remove the setpoint wheel and put in the LonJack as shown in the following: PA · How to Check the Software Version Press the left and right button for approx. 5 seconds: After a LCD display test, you will see the current SW version of the device. Fig 10. Mounting T7460-LONJACK T7560 Blinds Same material and color as housing; for covering nonoperational buttons.

Order quantity: set of 50 pieces. 5 EN1B-0146GE51 R0309B T7560A,B,C DIGITAL WALL MODULES Manufactured for and on behalf of th.



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