

DC-Digital

Instructions for operating the DC-40UTW-A wireless Clock/Timer



Description:

- **The DC-40UTW-A is a Made in the U.S.A, indoor rated, 4.0 inch, 4 digit, Red LED wireless controlled multifunction timer and time of day clock that utilizes Shift Digit Technology.**
- It operates off of 12VDC 700 ma U.L. listed power supply (included) that requires a 100-240VAC 50/60 hertz outlet (supplied by end user).
- Time base: crystal oscillator +/- 2 minutes per year accuracy (factory calibrated).
- Table top or wall mountable.
- Viewable up to 200ft.
- The all aluminum enclosure is .063inch thick, 6.75 inches high x 16.25 inches wide x 3 inches deep.
- Weight: 5lbs.
- Black textured (finger print resistant) powder coat finish.
- It contains a wireless a 2.4Gigahertz 1 milliWatt (802.15.4 protocol) FCC, CE approved radio.
- Average working range is approximately 150 ft. depending on interference and or obstructions. A higher power, longer range (64 milliWatt) radio is available upon request.
- Requires a WRC-8-T controller for operation (included). See separate instructions for operation manual.
- The standard factory radio channel is channel "0,0" and can be programmed upon request to accommodate additional Clock/Timers and their respective controllers operating in the same proximity, simultaneously.
- 3 Second EOP (end of period beep) **Timer Down** mode only. 1 second function button acknowledgement beep.
- **Shift Digit Technology:** Shift digit will shift the displayed digits to represent the most significant 4 digit numerical values. HH:MM, MM:SS, SS:TH (hours and minutes, minutes and seconds or seconds and hundredths).



Operation:

- To operate the DC-40UTW-A a WRC-8T controller with a fresh 9 volt alkaline battery power source installed, is required.
- See operating instructions for the WRC-8T and its specific function buttons.
- Note: when a logical function button is pressed on the WRC-8T an acknowledgment beep is emitted on the DC-40UTW-A.

- When power is first applied to the DC-40UTW-A it will emit a 1 second acknowledgement beep and enters the default mode which is the **Time of Day** mode and will display 12:00. Note: 24hour mode is available upon request.

- To change modes from the **Time of Day mode** to the **Timer** mode, see the operating instructions for the WRC-8T and its specific function buttons.

- **Timer Up** mode: Enter **Timer Up** mode using the WRC-8T wireless controller. The DC-40UTW-A will illuminate an LED in the upper left portion of its display.
 - The **Timer Up** mode LED will be steadily lit when the DC-40UTW-A is stopped or paused.
 - The **Timer Up** mode LED will flash at a half second “ON” half second “OFF” rate when the DC-40UTW-A is started or running.
 - The DC-40UTW-A upon initial power up and or after the **Zero “0”** function button has been pressed and released will display 00:00 seconds and hundredths of a second.
 - **Shift Digit Technology**: Once the DC-40UTW-A has been reset to zero and started it will count up from seconds and hundredths of a second and then shift the display, after reaching 59:99 (59 seconds and 99 hundredths). At his time it will show minutes and seconds and then shift the display again, after reaching 59:59 (59 minutes and 59 seconds) to show hours and minutes displaying up to 99:59 (99 hours and 59 minutes) and then continue without stopping back to 00:00 (seconds and hundredths). Note: The display will always show the 4 most significant digits.

- **Timer Down** mode: Enter **Timer Down** mode using the WRC-8T wireless controller. The DC-40UT-W-A will illuminate an LED in the lower right portion of its display.
 - The **Timer Down** mode LED will be steadily lit when the DC-40UTW-A is stopped or paused.

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- **Timer Down** mode continued.
 - The **Timer Down** mode LED will flash at a half second “ON” half second “OFF” rate when the DC-40UT-W-A is started or running.
 - **Shift Digit Technology:** The DC-40UTW-A can be set for and count down from (user selectable) 99:59:00 (99 hours, 59 minutes and 00 seconds). If it is set to this value and started it will display only the hours and minutes and then shift the display once it has past 00 hours to show minutes and seconds and then shift the display again once it has past below 00 minutes to finally show seconds and hundredths of a second. Note: The display will always show the 4 most significant digits.
- **Audible:** The DC-40UTW-A comes equipped with an audible tone that acknowledges a logical function change (1 second beep) and also at the end of a **Timer Down** period (a 3 second beep once the timer has reached zero) Note: a 3 second beep will also occur if the **Start Stop** function button is pressed and the DC-40UTW-A has already reached zero.



- **Mounting:** See photo above. Mount the DC-40UTW-A in a clean dry dust free area. The DC-40UTW-A can be viewed up to 200 feet but the WRC-8T controller has a limited range of control. It is recommended that you should first test the location of the mounting sight for proper operation before permanently mounting the DC-40UTW-A. There are (6) keyhole mounting knockouts for easy attachment to an electrical handi-box or an electrical 4 square box or simply several screws secured to a wall. Also supplied are 4 adhesive backed rubber feet that can be adhered to the enclosure bottom for table or desk top mounting. Note: when mounting the DC-40UTW-A allow enough room for 2.4 gigahertz top mounted antenna.

for further questions please contact Industrial Electronic Service D.B.A. DC-Digital @ 937-746-9750 or visit us @ www.dc-digital.com