

TORK EW101/EW103/EW120

7 DAY Digital Time Switch

READ INSTRUCTIONS CAREFULLY BEFORE SETTING UNIT

INSTALLATION

UNIT IS TO BE INSTALLED BY A LICENSED ELECTRICIAN

1. To remove unit from enclosure: Push tab on right to swing unit to the left and remove.
2. Mount the enclosure at eye level using screws or other suitable fastening device. Bring supply and load wires in through bottom or side knockouts. **DO NOT USE TOP.**
3. Install 9 volt alkaline battery (not supplied) by sliding battery cover in direction of arrow and removing (located above key pad) Pull out the battery connector and connect the battery. Reinstall battery cover

Note: Unit can be fully programed using battery power only.

4. Reinstall unit by reversing step #1 above and connect wires to unit as per suggested wiring diagrams See illustration on back page.

KEY FUNCTIONS

DAY: Press to select proper day of the week in the CLK (clock) mode and the SCH (schedule) mode.

HOUR: Press to set the hours in the CLK mode and in the SCH (schedule) mode.

MIN: Press to set the minutes in the CLK mode and in the SCH mode.

OVERRIDE: Press to alter the current load status (operates in both AUTO and MAN modes).

MODE: Press to advance to next mode. Sequence is: CLK, SCH, AUTO, MAN. In the CLK and SCH modes, **UNIT AUTOMATICALLY REVERTS TO THE AUTO MODE IF NO ENTRIES ARE MADE FOR 5 MINUTES.**

DELETE: Press to delete the displayed information when in the SCH mode.

ON/OFF: Press to assign ON or OFF events.

ENTER: Press to store the displayed information into memory. **Information will not be stored until ENTER key is pressed.**

NOTE: During settings, each press of the key will advance one number. For rapid advance, hold key in.

TO SET CLOCK

Press MODE key until display shows CLK.

Press DAY key to select current day. Press HOUR key to select current hour. Check A (AM) or P (PM). Press MIN key to select current minute. Press ENTER key and the clock is set for current time and day.

TO SET SCHEDULE

For convenience, write out your desired schedule on a separate paper.

If display does not show SCH, press mode key until display shows SCH.

The display will indicate it is ready to receive SCH setpoint #1.

Press DAY key to set day(s).

Note: The following is a listing of the sets of days which can be set:

1. M, T, W, TH, F
2. S, SU (Saturday and Sunday only)
3. M, T, W, TH, F, S, SU
4. Individual days: M or T or W or TH or F or S or SU

Press HOUR and MIN keys (check for AM or PM). Press ON/OFF key for appropriate event.

Press ENTER key to store the information and display will indicate it is ready to receive SCH setpoint #2.

Proceed for up to 14 setpoints. Then press MODE key and unit will go to the AUTO (run) mode.

In the AUTO mode, the unit will display current time and day as well as load status (ON and OFF).

Note: When the unit is returned to the auto mode, check the load status of the current setting. If it is showing OFF but should be ON, press the override key. The unit will correct itself at the next scheduled event and no further alteration will be necessary.

REVIEW/MODIFY

1. CLOCK - ALTER TIME

Press mode key until display shows CLK.

Press DAY, HOUR, and MIN keys to change to the correct time. Press ENTER.

2. SCHEDULE - REVIEW

Press mode key until display shows SCH.

Press ENTER key repeatedly to review all the scheduled entries.

3. SCHEDULE - MODIFY

During the review (see previous section) any set point can be modified or deleted. Use the HOUR, MIN and DAY keys to modify. Use the DELETE key to eliminate that event. Press ENTER key after each modification.

OVERRIDE - TEMPORARY

In order to temporarily change the current ON or OFF status of a load, simply press the override key when the unit is in the AUTO mode. The altered load status will flash. Override is in effect until the next scheduled event. In order to cancel the override, press override key again.

OVERRIDE - LONG TERM

Press mode key until display shows MAN (manual). Normal schedule will not be executed and the load status will remain unchanged as indicated. Press the OVERRIDE key to obtain the correct status or to alter the load status.

TORK

DIGITAL TIME SWITCH

Disconnect power at main panel prior to installing or servicing this time switch or the equipment connected to it.

Install and use in accordance with national and local electrical codes.

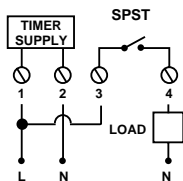
Supply Connections: Use gauge specified (AWG # 10-16) suitable for 75 degrees C (167 degrees F). Use copper wire only.

Replace insulator before turning on electricity.

| Type of Load | DRY CONTACT RATINGS | | |
|-----------------------|---------------------|---------|---------|
| | 120 VAC | 240 VAC | 277 VAC |
| Resistive | 30A | 30A | 12A |
| Inductive | 30A | 30A | 12A |
| Ballast | 20A | 6A | 6A |
| Tungsten | 5A | 5A | 5A |
| Pilot Duty | 470VA | 470VA | 690VA |
| Motor | 1 HP | 2 HP | - |
| 20A Resistive @ 28VDC | | | |

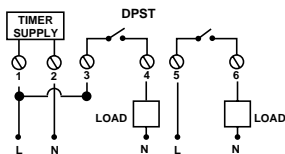
- EW101 120VAC
- EW101-2 240VAC
- EW101-3 277VAC
- EW101-24 24VAC

OUTPUT: SPST



- EW103 120VAC
- EW103-2 240VAC
- EW103-3 277VAC
- EW103-24 24VAC

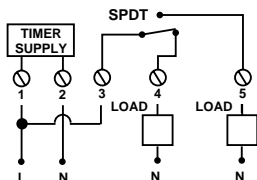
OUTPUT: DPST



| Type of Load | DRY CONTACT RATINGS | | | | | |
|----------------------------|---------------------|--------|--------|--------|--------|------|
| | 120VAC | | 240VAC | | 277VAC | |
| | N.O. | N.C. | N.O. | N.C. | N.O. | N.C. |
| Resistive | 20A | 10A | 20A | 10A | 6A | 3A |
| Inductive | 20A | 10A | 20A | 10A | 6A | 3A |
| Ballast | 6A | 3A | 6A | 3A | 6A | 3A |
| Tungsten | 5A | 3A | 5A | 3A | - | - |
| Pilot Duty | 470 VA | 275 VA | 470 VA | 275 VA | 690 VA | - |
| Motor | 1 HP | 1/4 HP | 2 HP | 1/2 HP | - | - |
| N.O. 20A Resistive @ 28VDC | | | | | | |
| N.C. 10A Resistive @ 28VDC | | | | | | |

- EW120 120VAC
- EW120-2 240VAC
- EW120-3 277VAC
- EW120-24 24VAC

OUTPUT: SPDT



TORK®

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