

# TORK DIN 100 DIGITAL TIME SWITCH 7 DAY DIN RAIL MOUNTING

## TECHNICAL DATA

Number of Channels: 1

Total number of ON and OFF events: 20

Switching Interval: 1 Minute

Manual Override: to the next scheduled event or permanently.

Input Voltage: 120 VAC, 50/60 Hz

Power Consumption: 5 VA MAX.

Output:

Switch Configuration: SPDT (unpowered)

Switch Contact Rating: 16A Resistive

Battery Backup: 150 Hours

Battery Type: Rechargeable Ni-Cd

Operating Temperature:

14° to 140° F (-10° to 55° C)

Accuracy at 68° F: + /- 2.5 seconds/day

Dimensions: 1-7/16" w X 2-7/8" d X 3-1/4" h

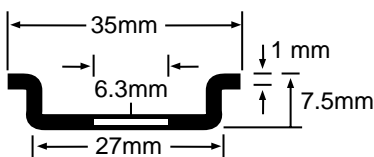
Weight: 4 oz.

## INSTALLATION

### **CAUTION:**

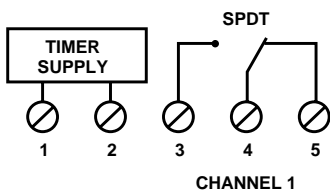
- 1. INPUT WIRES TO CONTROLLER MUST BE DEDICATED, i.e. NO OTHER LOAD CONNECTED TO THE SAME CIRCUIT.**
- 2. UNIT IS TO BE INSTALLED BY A LICENSED ELECTRICIAN**

DIN RAIL MOUNTING # 50022 (35 mm)



Locate red clip on back of unit and push it down. Mount unit to DIN rail. Push red clip up from bottom to lock unit onto rail. To remove from rail, push entire unit straight up thereby forcing the red clip down to the open position. *For surface mounting, a small din rail is provided.*

## WIRING DIAGRAM



To begin setting the unit, remove the clear cover by lifting up from the bottom.

Insert a pin into the reset opening to clear all memory. After a few seconds, all numbers across the top (days of week) will flash.

## TO SET CLOCK

NOTE REGARDING DAYLIGHT SAVING TIME: A manual daylight saving time adjustment is provided for your convenience and may be used at your option. Inserting a pin in the DST opening will advance the clock by 1 hour. A + 1h will appear on the display. Pressing this recessed key again will turn the clock back 1 hour to its original setting.

If you are setting the clock during a standard time period (NOV- MAR) set the clock for the current time. When daylight saving arrives in April, you can press the DST key and the clock will advance 1 hour. A + 1h will appear on the display. When daylight saving time is over in October, press the DST key and the clock will turn back 1 hour to standard time. The + 1h will disappear from the display.

If you are setting the clock during a daylight saving time period (APR - OCT) set the clock one hour earlier. Then press the DST key and the clock will advance 1 hour to the correct daylight saving time. A + 1h will appear on the display. At the end of daylight saving time in October, press the DST key and the clock will turn back 1 hour to standard time. The + 1h will disappear from the display.

To set the clock you must keep Clock (CLK) key pressed while the following settings are made:

1 - Press DAY key to set current day.

1= Monday..... 7= Sunday

2 - Press Hour (HR) key to set current hour. Be sure to check for AM or PM. **If AM or PM does not appear, the unit is in a 24 hour military mode. To change it to AM/PM, insert a pin in the DST opening and press the hour key.**

3 - Press Minute (MIN) key to set current minute.

Release CLK key.

## **TO SET SCHEDULE**

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

1 - Press schedule (SCH) key once. The display will show all the days of the week **in numbers**.

2 - Press DAY Key to set day(s)

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

1-2-3-4-5-6-7 MO, TU, WE, TH, FR, SA, SU

1-2-3-4-5-6 MO, TU, WE, TH, FR, SA

1-2-3-4-5 MO, TU, WE, TH, FR

6-7 SA, SU


### INDIVIDUAL DAYS REPRESENTED BY A SINGLE NUMBER


3 - Press HR key to set hour. Be sure to check for AM or PM.

4 - Press MIN key to set minutes.

5 - Press ON/OFF key to set load status

The following appears on the display:

 = ON

 = OFF

6 - Press SCH key again to store the previous entry. The display will show all days of the week again. Press DAY, HR, and MIN keys as above to set all other schedules up to a total of 20 ON or OFF events.

NOTES: During settings, if you wish to erase a partial entry, press and hold the SCH key for about 3 seconds. If instead the SCH key is pressed briefly, the partial entry will be erased after 15 seconds.

To determine how many free set points are available, press the SCH key until FR appears on the LCD:

For example: FR 14 means there are 14 set points still available, FR 00 means there are none.

7 - After all settings are made, press CLK key to return unit to real time.

NOTE: When the unit is returned to the run mode, check the load status of the current setting. If it is showing OFF but should be ON, press the ON/OFF key since the unit does not "look back" to the setting just entered. However, the unit will correct itself at the next scheduled event and no further alteration will be necessary.

## **REVIEW/MODIFY/ADD/DELETE**

REVIEW: Press SCH key continuously to review each setting. Events will appear in the sequence with which they were set.

MODIFY: During the review, the DAY, HR, MIN and ON/OFF keys can all be used to modify the settings.

ADD: New events can be added by pressing the SCH key to advance to the next open set point. Then set new day(s) and time.

DELETE: Press SCH key to event which you wish to delete. Then press the HR and MIN keys until dashes appear in place of hours and minutes.

## **MANUAL OVERRIDE**

**Unit must be in the run mode only**

Press ON/OFF key repeatedly as follows:



= Temporary OFF until the next ON event




= Temporary ON until the next OFF event



= Permanent ON



= Permanent OFF

To return to automatic run mode, press ON/OFF key until  appears in lower left of display.

## **RESET**

In order to clear all memory, including real time and schedules, insert pin into reset opening.