



NSI Industries  
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# TORK®

## INSTRUCTION MANUAL

# S958

## DIGITAL TIME SWITCH

CLOCK OPERATED SWITCH



**FOR TECHNICAL SUPPORT:**  
**888.500.4598**

MLI-229 (D)

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# TORK 24 HOUR DIGITAL TIME SWITCH SIGNAL

## **READ INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO INSTALL TIME SWITCH. SEE**

**WARNING ON FRONT PANEL** – Failure to comply with instructions could result in personal injury and/or property damage.

### **INSTALLATION:**

UNIT IS TO BE INSTALLED BY A LICENSED ELECTRICIAN

1. To remove unit from enclosure: Push the tab on right to swing unit 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 or side knockouts. **DO NOT USE TOP.**
3. Unit should be programmed with AC power only and not while on super cap back up power.
4. Reinstall unit by reversing step #1 above and connecting wires to units as per suggested wiring diagrams. See illustration and warning on back page.
5. To reset the timer, insert a paperclip on the small hole next to the EVENT key. This procedure will allow you to reset the time but will not clear the memory.

### **CAPABILITIES:**

- 24 Hour Day scheduling.
- Signal duration (00-99 Sec.)

### **FEATURES:**

Daylight Saving	Automatic (can be adjusted).
Leap Year	Automatic compensation.
Display	LCD
Manual Override	Permanent OVR or Signal OVR
Power Outage	Permanent schedule retention. Supercapacitor maintains real time up to 4 days.

## **KEY FUNCTIONS:**

Unit should be program with AC power. Do not program on super cap back up power.

**Mode:** Press to go to the next mode.

**Enter:** Stores or saves current entry.

## **DAY/YEAR:**

- Press to set the year in the DATE mode.
- Selects the desired day of the week in the DST (Daylight Savings Time) mode.

## **OVR/SIGNAL (C1 DURATION):**

- Press to initiate SIGNAL C1.
- Press to terminate SIGNAL in progress.

## **DEL/PREV:**

- Press to delete the displayed entry.
- Decrement the last selected entry.

## **HOUR/MONTH:**

- Press to set hour in CLK (clock) mode and the SCH (schedule) mode.
- Press to set month in the DATE mode and DST (Daylight Savings Time) mode.

## **MINUTE/DATE:**

- Press to set minutes in CLK (clock) mode and SCH (schedule) mode.
- Press to set date in the DATE mode.
- Press to select the week of the month in DST (Daylight Savings Time).

## **ENTER:**

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

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

## **EVENT:**

- Press to select OFF/C1.
- Press to update the load status In the AUTO (automatic) mode.

## PROGRAMMING INSTRUCTIONS

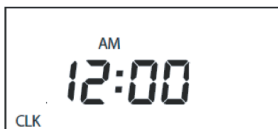
**NOTE:** AFTER MAKING ANY CHANGES TO THE PROGRAM, PRESS **MODE** TO GO TO RUN MODE AND THEN PRESS **EVENT** TO UPDATE THE LOAD STATUS.

### AT POWER UP:

When powering up the unit for the first time, the display will show DG100, r-5260, 12:00 will flash on the display.

**NOTE:** Allow 1-2 minutes for the supercap to charge before any display is shown. Otherwise insert a paper clip like object into pin hole located to the right of the **EVENT** button for two seconds to reset.

Press **ENTER** then hour.



### 1.0 TO SET CLOCK

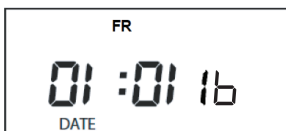
Press **HOURL** and **MIN** to advance to the present hour and mins. Check AM/PM, and press **ENTER**.

### 1.1 TO MODIFY CLOCK

Press **MODE** until the display shows: CLK. Press **HOURL** and **MIN**. to modify clock and press **ENTER**.

### 2.0 TO SET DATE

If you are setting for the first time, display will show



Press **MONTH**, **DATE**, and **YEAR** key to advance to the desired Month, date and year, then press **ENTER**.

**NOTE:** The day of the week will be automatically set once the date is set.

## 2.1 TO MODIFY DATE

Press **MODE** until the display shows **DATE**. Press **MONTH**, **DATE** and **YEAR** to modify present settings and then press **ENTER**.

## 3.0 DAYLIGHT SAVING TIME

After setting or modifying the date, display will show:



For standard USA daylight savings (DSt), press **MODE** then go to step 4.0. For dates other than standard USA dates, press **MONTH** and go to step 3.1. If daylight saving time (DSt) is NOT required, press **DEL** display will show:



Press **ENTER** then go to step 4.0.

## 3.1 TO MODIFY STANDARD USA DAYLIGHT SAVINGS DATES



Press **MONTH** and **DATE**, to modify S (starting) DST settings. **NOTE: DATE** will choose the week of the month to be assigned. Choices are 01 (1st), 02 (2nd), 03 (3rd) or L (Last) week of the month. The default day in SU (Sunday). Pressing **DAY** changes default day.

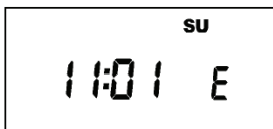
**EXAMPLE:** 04:01 SU S represents the first Sunday in April.

Press **ENTER** and the display will show:

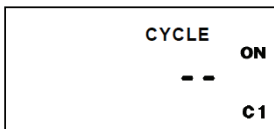
Press **MONTH** and **DATE**, to modify E (ending) DST settings. **NOTE:** DATE will choose the week of the month to be assigned. Choices are 01 (1st), 02 (2nd), 03 (3rd) or L (Last) week of the month. The default day is SU (Sunday). Pressing DAY changes default day. **EXAMPLE:** 10:L SU E represents last Sunday in October.

Press **ENTER** and the display will show the modified DSt starting date.

Press **MODE** two times to go to step 4.0.



#### 4.0 TO SET SIGNAL DURATION



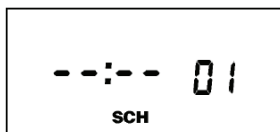
Press the **ENTER** key.

#### DO NOT SET DURATION FOR C2.

Press **MODE** key to advance to next screen.



## 5.0 SCHEDULE SET MODE



### 5.1 SETTING HOURS AND MINUTES

**NOTE:** A schedule is needed for each SIGNAL.

Press the **HOUR**, and **MIN** keys to set the desired time.  
Press **EVENT** to set C1.

Then press **ENTER**. Then press Repeat 6.1 for additional schedules. When finished Press **MODE** to **AUTO**.

**NOTE:** DO NOT KEEP TIMER IN MAN SIGNAL MODE FOR AUTO EXECUTION OF SIGNALS.



			Schedule
Sch.#	Load Description	Time	C1



Cycle Times		
#	DURATION IN SEC	Description
C1		

Cycle Times		
#	DURATION IN SEC	Description
C1		

**WIRING DIAGRAM**

