

TORK[®]

INSTRUCTION MANUAL

DG100A DGM100A DG200A

7 DAY DIGITAL TIME SWITCH

CLOCK OPERATED SWITCH



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03.14

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MLI-200 (B)

TABLE OF CONTENTS

Section	Page
Installation Instructions.....	1
At Power Up.....	1
Capabilities.....	1
Features.....	1
1.0 Clock Format.....	2
2.0 Clock Set Mode.....	2
3.0 Date Set Mode.....	2
4.0 Daylight Saving Time.....	2
4.1 To Modify Daylight Saving Time.....	3
5.0 Holiday Dates.....	4
5.1 To Set Holiday Dates.....	4
6.0 Schedule Set Mode.....	5
6.1 Setting Hours, Minutes, and Days.....	5
7.0 Review, Modify, and Delete.....	7
Wiring Diagram.....	10
Schedule Sheets.....	11

TORK MODELS DG100A / DGM100A / DG200A 7 DAY DIGITAL TIME SWITCH

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. Remove unit from enclosure by pushing the inside tab (located near the outside hasp) to the right. Swing unit to 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. Reinstall unit by reversing step #1 above and connecting wires to units as per suggested wiring diagrams at back of manual.
4. Unit should be programmed with AC power. Do not program under super cap back up power.

AT POWER UP:

Connect unit to main power source prior to entering the settings. When powering up the unit for the first time, allow 1-2 minutes for super cap to charge and the display will show 12 HOUR. Press reset button after 2 minutes if screen is blank.

CAPABILITIES:

- 7 day scheduling.
- 56 set points
- 9 Block holidays

FEATURES:

Daylight Saving - Automatic (user selectable).

Leap Year - Automatic compensation.

Power Outage - Permanent schedule retention. Supercapacitor provides 7 days of real time backup.

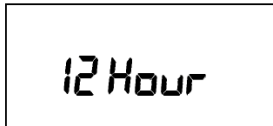
Manual Override - Until the next scheduled event.

AM/PM or 24 Hour Format - user selectable

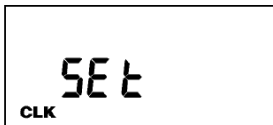
Multi-Voltage Input - Permanent schedule retention. Supercapacitor maintains real time up to 4 days.

1.0 CLOCK FORMAT

The first time unit is powered up, it will display a flashing 12 Hour. Use **HOUR** key to set clock format to either 12 Hour (AM/PM) or 24 Hour. Press the **ENTER** key.



2.0 CLOCK SET MODE



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

3.0 DATE SET MODE

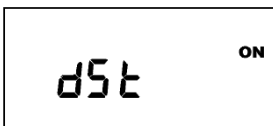


Press **MONTH**, **DATE**, and **YEAR** key to advance to the desired month, date and year, then press **ENTER**.

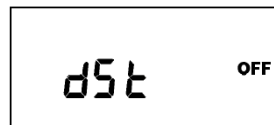
NOTE: The day of the week will automatically set once the date is entered.

4.0 DAYLIGHT SAVING TIME

After setting or modifying the date, display will show:



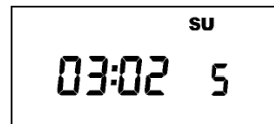
- For standard USA daylight savings (DST), press **MODE** and go to step 5.0.
- For dates other than standard USA dates, press **MONTH** and go to step 4.1.
- If daylight saving time (DST) is NOT required, press **DEL** and display will show:



Press **ENTER** then go to step 5.0.

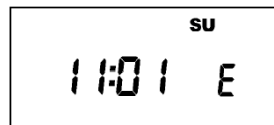
4.1 TO MODIFY STANDARD USA DAYLIGHT SAVINGS DATES

NOTE: The first two digits represent the month and the second set of digits represent the week in the month. Choices for week are 01 (1st), 02 (2nd), 03 (3rd) or L (Last) week of the month. The default day is Sunday (SU). Once modified date is set, the unit will automatically calculate the correct start dates in the future.



Now press the **MONTH** and **DATE** buttons to modify the starting DST settings. Pressing **DAY** changes the default day. EXAMPLE: A screen showing "04:01 SU S" represents April (04), the first week (01), Sunday (SU), and the Start (S) of daylight savings time.

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

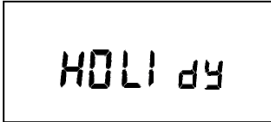


Now press the **MONTH** and **DATE** buttons to modify the ending DST settings. Pressing **DAY** changes the default day. EXAMPLE: A screen showing "10: L SU E" represents October (10), the Last week (L), Sunday (SU), and the End (E) of daylight savings time.

Press **ENTER** to save and the display will show the modified DST starting date.

Press **MODE** twice to go to step 5.0.

5.0 HOLIDAY DATES

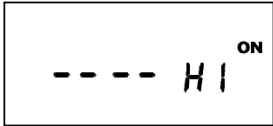


You are able to select up to 9 holiday blocks, which will exclude all of the regular schedules, and execute a special set that will only run on those specified days. If no holiday schedule is entered in step 6, operations will be omitted during the block. Holiday blocks can be anywhere from 1 day in length (the same start and end dates) or up to 364 days. Holiday blocks cannot end after they begin. If a holiday block must run from December 18th through January 5th, you have to program one block from 12/18 to 12/31, and then another from 01/01 to 01/05.

To skip, press the **MODE** key.

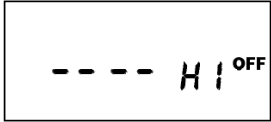
5.1 TO SET HOLIDAY DATES

Press the **ENTER** key.



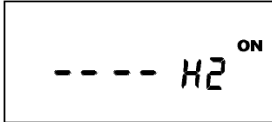
Press the **MONTH** and **DATE** keys to set the date to the desired start date (H1 ON).

Press the **ENTER** key.



For a single day holiday, press the **ENTER** key, or press the **MONTH** and **DATE** keys to set the date to the desired end date (H1 OFF).

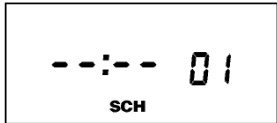
Press the **ENTER** key.



Repeat for all holidays.

Press **MODE** when holidays are complete.

6.0 SCHEDULE SET MODE



6.1 SETTING HOURS, MINUTES, AND DAYS

NOTE: A schedule is needed for each event. If a typical ON/OFF pair is required, use SCH 01 for the ON event and SCH 02 for the OFF event.

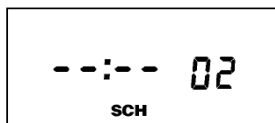
Press the **HOUR** and **MIN** keys to set the desired time. Press **EVENT** to set desired event (ON or OFF). Press **CH SELECT** key to select the channel on DG200A. Press **DAY** to set desired day(s).

NOTE: With each **DAY** button push a different group of days will appear.



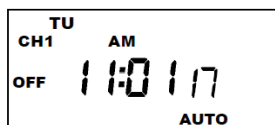
NOTE: Selection #12 will only show if a holiday date has been entered in Step 5.

Press **ENTER** to save.



Follow the same procedures above to set more schedule entries.

Press **MODE** when schedules are complete.



Unit is in the AUTO (automatic) mode.

The word FLASH may appear to indicate a new program has been written to memory.

Press the **EVENT** key once (or twice for two circuit units) to activate the current schedule then press the **EVENT** key again to return to AUTO mode.

7.0 REVIEW, MODIFY, AND DELETE

Press **MODE** to advance to any of the following MODES:

1. **AUTO MODE:** In this automatic mode, the unit will execute the scheduled programs. Time, day, seconds and load status are displayed. If today is a programmed holiday, the day of the week will flash.

OVERRIDE IN AUTO MODE: The load status of the channel can be manually changed by pressing the **OVRD** key (or **OVR1** and **OVR2** key for DG200A). The unit will stay in this position until the next scheduled event. A flashing LCD load indication (ON, OFF) shows the status was changed by the override not a scheduled event.

2. **MAN MODE:** In this manual mode, the unit will ignore the schedule programs. Time, day, seconds and load status are displayed. If today is a programmed holiday, the day of the week will flash. This can be used as a VACATION SETTING to keep load off while away. Use override to set to OFF position.

OVERRIDE IN MAN MODE: The load status of the channel can be manually changed by pressing the **OVRD** key (or **OVR1** and **OVR2** key for DG200A). The unit will stay in this position until **OVRD** is pressed again. A flashing LCD load indication (ON, OFF) shows the status was changed by the override not a scheduled event.

3. **CLOCK MODE:** Press **HOURL** and **MIN** to modify existing settings. Press **ENTER** to save changes.
4. **DATE MODE:** Press **MONTH**, **DATE**, and **YEAR** to modify existing settings. Press **ENTER** to save changes. DAY is automatically adjusted.

5. **DST MODE:** Factory default is set at US standard daylight savings dates noted by ON. To remove daylight savings time setting, press **DEL** to change screen to show OFF. DST may be activated again by pressing **DEL**. Press **ENTER** to save changes. To change from the standard DST month/week/day setting press **HOUR** and refer to step 4.1.
6. **HOLIDAY MODE:** Press **ENTER** to advance to desired holiday. Press **MONTH** and **DATE** to modify start of holiday (ON) then press **ENTER**. Press **MONTH** and **DATE** to modify end of holiday (OFF) then press **ENTER** to save changes.
7. **SCH MODE:** To change schedule, press **ENTER** to advance to desired event. Press **HOUR**, **MIN**, **EVENT**, and **DAY** to modify time settings. Press **DEL** to delete. Press **ENTER** after each modification to save changes.

NOTES:

1. Unit has a look back feature. Press the **EVENT** key once (or twice for two circuit units) to activate current schedule then **EVENT** key again to return to the time (run) screen. Unit will automatically pick up the last schedule.
2. To clear date and time only and provide unit with a soft reboot, press and release the reset button that is recessed under the small hole to right side of LCD screen.
3. Clear all memory. To clear all memory, while in the RUN mode, press **ENTER**, and display will show:



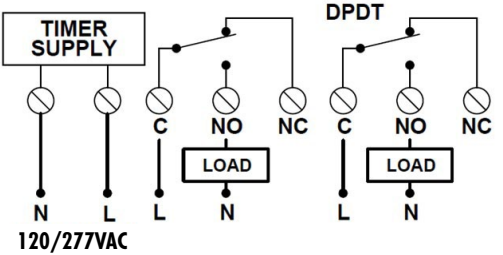
Use the **EVENT** key to display:



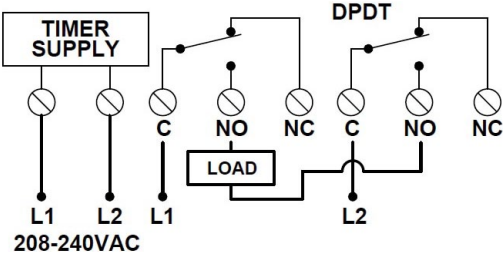
Now press **ENTER** briefly and everything in the timer memory is cleared and 12HOUR will flash.

4. A "PF" on the display indicates a Power Failure and the unit requires AC power to operate. The time and date are protected for 7 days by the super cap. The program is retained in permanent memory.
5. A "Lo" on the display indicates that the super cap has run low and the unit needs to be powered with AC. A minimum of 8 hours is required to fully charge the super cap.

DG100A

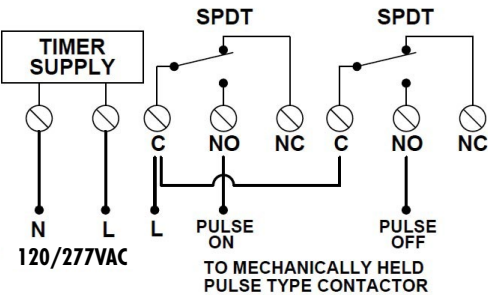


120/277VAC



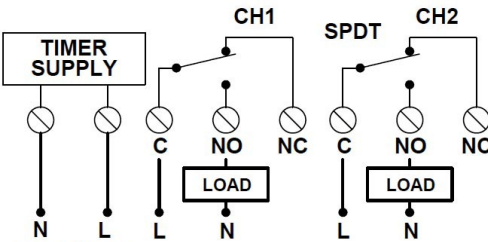
208-240VAC

DGM100A



120/277VAC

DG200A



120/277VAC

Holiday (H)		Description							
		Date							
		#	1	2	3	4	5	6	7

