

## 24 HOUR TIME SWITCHES

### Same On-Off Times Each Day

#### APPLICATIONS

Automatic ON-OFF control when operation is required at the same time every day, 7 days a week.

- Lighting
- Pumps
- Signs
- Air Conditioning
- Water Heating
- Fans

#### SPECIFICATIONS

##### Contact Ratings:

- 40 Amp. Tungsten, 120 VAC
- 40 Amp. Resistive, 120-277 VAC Single Phase
- 40 Amp. General Purpose, 120-277 VAC Single Phase
- 20 Amp. Inductive 120 VAC, 277 VAC Single Phase
- 1000 VA Pilot Duty 120-277 VAC.
- 2 HP (24 FLA) 120 VAC; 5 HP (28 FLA) 240 VAC

**Timing Motor:** Heavy duty synchronous, self-starting high torque. Power Consumption: 3 watts.

**Automatic Operation:** Minimum ON setting: 20 minutes. Minimum OFF setting: 75 minutes. One pair of ON-OFF trippers supplied – accommodates up to 12 pairs. Dial markings are in English, French and Spanish.

**Temporary Manual Override:** Available.

**Operating Temperature Range:** -40° to +165°F. (-40° to +74°C.)

**Enclosure:** See end of controls section for dimensions.

General Purpose (NEMA 1). Drawn steel, beige enamel, with combination 1/2" and 3/4" K.O.'s on sides, bottom and back. Lockable hasp. Cover is removable and movement releases from case at finger touch for easy installation. Back has key-hole as well as matching screw holes for quick mounting over single gang box.

**Other Mountings:**

**Model IAP-Intermatic® Adapter Plate**—allows any TORK 1100 model to fit into an Intermatic case without necessity of changing enclosure

**Noryl® Indoor/Outdoor NEMA 3R** – Model 9000N\*.

**Metal Indoor/Outdoor NEMA 3** – Model 9000A\* (hinged side).

**Metal Flush, with lock and key** (suffix FL 1) – Model 9001\*.

**Metal Duplex** – 2 standard units in one indoor/outdoor case, surface (suffix DUOL) – Model 9004L\*.

**Bracket mounting** – specify mechanism only with bracket

\*Use model number when ordering special enclosures separately.

#### ORDERING INFORMATION

| Model #     | Enclosure Type                 | Switch | Amps | H.P. Rating | MOTOR      |    |        | Available in 50 Hz |
|-------------|--------------------------------|--------|------|-------------|------------|----|--------|--------------------|
|             |                                |        |      |             | AC Voltage | Hz | Part # |                    |
| 1101        | Metal Indoor                   | SPST   | 40   | 2           | 120        | 60 | 101    | YES                |
| 1102        | Metal Indoor                   | SPST   | 40   | 5           | 208-277    | 60 | 201    | YES                |
| 1103        | Metal Indoor                   | DPST   | 40   | 2           | 120        | 60 | 101    | YES                |
| 1104        | Metal Indoor                   | DPST   | 40   | 5           | 208-277    | 60 | 201    | YES                |
| 1101-N      | Noryl® Indoor/Outdoor          | SPST   | 40   | 2           | 120        | 60 | 101    | YES                |
| 1101-NC     | Noryl® with Clear Lexan® Cover | SPST   | 40   | 2           | 120        | 60 | 101    | YES                |
| 1102-N      | Noryl® Indoor/Outdoor          | SPST   | 40   | 5           | 208-277    | 60 | 201    | YES                |
| 1103-N      | Noryl® Indoor/Outdoor          | DPST   | 40   | 2           | 120        | 60 | 101    | YES                |
| 1103-NC     | Noryl® with Clear Lexan® Cover | DPST   | 40   | 2           | 120        | 60 | 101    | YES                |
| 1104-N      | Noryl® Indoor/Outdoor          | DPST   | 40   | 5           | 208-277    | 60 | 201    | YES                |
| 1104-NC     | Noryl® with Clear Lexan® Cover | DPST   | 40   | 5           | 208-277    | 60 | 201    | YES                |
| 1101-O      | Metal Outdoor                  | SPST   | 40   | 2           | 120        | 60 | 101    | YES                |
| 1102-O      | Metal Outdoor                  | SPST   | 40   | 5           | 208-277    | 60 | 201    | YES                |
| 1103-O      | Metal Outdoor                  | DPST   | 40   | 2           | 120        | 60 | 101    | YES                |
| 1104-O      | Metal Outdoor                  | DPST   | 40   | 5           | 208-277    | 60 | 201    | YES                |
| 1101-M      | Mechanism Only                 | SPST   | 40   | 2           | 120        | 60 | 101    | YES                |
| †1101-M-IAP | Mechanism Only                 | SPST   | 40   | 2           | 120        | 60 | 101    | YES                |
| 1102-M      | Mechanism Only                 | SPST   | 40   | 5           | 208-277    | 60 | 201    | YES                |
| 1103-M      | Mechanism Only                 | DPST   | 40   | 2           | 120        | 60 | 101    | YES                |
| 1104-M      | Mechanism Only                 | DPST   | 40   | 5           | 208-277    | 60 | 201    | YES                |

†Includes adapter plate to fit Intermatic enclosure.

Reserve Power is not available in this series.

**TORK** 1 Grove St., Mt. Vernon, NY 10550 • Tel: 914-664-3542 • Fax: 914-664-5052 • Internet: <http://www.tork.com>

## 1100 SERIES



Model 1101

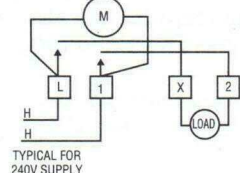
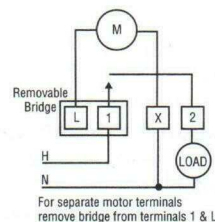


Model 1101NC  
with clear Lexan® cover

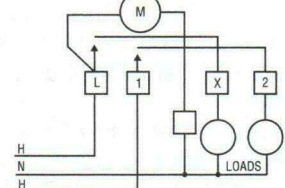


MECHANICAL

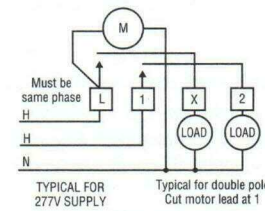
SPST - 1101 & 1102



DPST - 1103



DPST  
1104  
(Both)



## SWIMMING POOL TIME SWITCHES

### 1 and 2 Circuit Controls

### 24 Hour Dial

#### APPLICATIONS

Automatic ON-OFF control of swimming pool pumping systems with or without water heaters. Two units in one case allow for addition of lighting control, or automatic pool sweep "ON".

Models with "FM" suffix contain low voltage secondary circuit to turn OFF water heater thermostat 20-30 minutes before standard voltage main circuit turns OFF pump. This allows for slow cooling of heater coils, preventing sudden steam build-up and knocking, thereby prolonging heater life.

#### SPECIFICATIONS

##### Contact Ratings:

40 Amp. Tungsten, 120 VAC  
 40 Amp. Resistive, 120-277 VAC Single Phase  
 40 Amp. General Purpose, 120-277 VAC Single Phase  
 20 Amp. Inductive 120 VAC, 277 VAC Single Phase  
 1000 VA Pilot Duty 120-277 VAC.  
 2 HP (24 FLA) 120 VAC; 5 HP (28 FLA) 240 VAC

**Water Heater Circuit:** 760VA 24V

**Timing Motor:** Heavy duty synchronous, self-starting high torque. Power Consumption: 3 watts.

**Automatic Operation:** Models with "FM" suffix – Include one pair of permanent type ON-OFF trippers. Can accommodate up to 3 pairs. Minimum ON setting, 45 minutes. Minimum OFF setting, 90 minutes. All other models include 1 pair of ON-OFF trippers – can accommodate up to 12 pairs. Minimum ON setting, 20 minutes. Minimum OFF setting, 75 minutes. Dial markings in English, French & Spanish.

**Temporary Manual Override:** Available.

**Operating Temperature Range:** -40° to +165°F. (-40° to +74°C.)

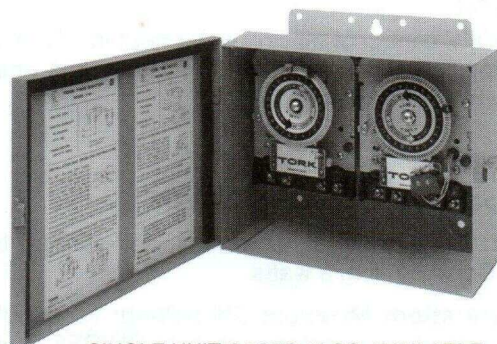
#### ORDERING INFORMATION

| Model #         | Enclosure Type                     | Switch                      | H.P. Rating | Motor AC Voltage |
|-----------------|------------------------------------|-----------------------------|-------------|------------------|
| 1101            | Metal Indoor                       | SPST                        | 2           | 120              |
| 1103            | Metal Indoor                       | DPST                        | 2           | 120              |
| 1104            | Metal Indoor                       | DPST                        | 5           | 208-277          |
| 1101 FM         | Metal Indoor                       | SPST                        | 2           | 120              |
| 1104 FM         | Metal Indoor                       | DPST                        | 5           | 208-277          |
| 1101 FM N       | Noryl® Indoor/Outdoor              | SPST                        | 2           | 120              |
| 1104 FM N       | Noryl® Indoor/Outdoor              | DPST                        | 5           | 208-277          |
| 1101-O          | Metal Outdoor                      | SPST                        | 2           | 120              |
| 1103-O          | Metal Outdoor                      | DPST                        | 2           | 120              |
| 1104-O          | Metal Outdoor                      | DPST                        | 5           | 208-277          |
| 1101 FM-O       | Metal Outdoor                      | SPST                        | 2           | 120              |
| 1104 FM-O       | Metal Outdoor                      | DPST                        | 5           | 208-277          |
| 1101 M          | Mechanism Only                     | SPST                        | 2           | 120              |
| 1103 M          | Mechanism Only                     | DPST                        | 2           | 120              |
| 1104 M          | Mechanism Only                     | DPST                        | 5           | 208-277          |
| 1101 FM M       | Mechanism Only                     | SPST                        | 2           | 120              |
| 1104 FM M       | Mechanism Only                     | DPST                        | 5           | 208-277          |
| <b>Contains</b> |                                    |                             |             |                  |
| 1101 D          | Two units in metal indoor /outdoor | 2 each 1101                 |             |                  |
| 1114 D          | Two units in metal indoor /outdoor | 1 each 1101, 1 each 1104    |             |                  |
| 1104 D          | Two units in metal indoor /outdoor | 2 each 1104                 |             |                  |
| 1101 DF         | Two units in metal indoor /outdoor | 1 each 1101, 1 each 1101 FM |             |                  |
| 1114 DF         | Two units in metal indoor /outdoor | 1 each 1101, 1 each 1104 FM |             |                  |
| 1104 DF         | Two units in metal indoor /outdoor | 1 each 1104, 1 each 1104 FM |             |                  |

FM models contain low voltage pool heater thermostat switch.

Reserve Power is not available in this series.

## 1100 SERIES



SINGLE UNIT CASES ALSO AVAILABLE  
 SEE ORDERING INFORMATION

**Enclosure:** See end of controls section for dimensions.

General Purpose (NEMA 1, Indoor Only). Drawn steel, beige enamel with combination 1/2" and 3/4" K.O.'s on sides, bottom and back. Lockable hasp. Cover is removable and movement releases from case at finger touch for easy installation. Back has keyhole as well as matching screw holes for easy mounting over single gang box.

#### Other Mountings:

Model **IAP-Intermatic® Adapter Plate** – allows any TORK 1100 model to fit into an Intermatic case without necessity of changing the enclosure.

Single Circuit Control –

**Noryl® Indoor /Outdoor** NEMA 3R (suffix N) – Model 9000N.\*

**Metal Indoor /Outdoor** NEMA 3. (suffix O) – Model 9000A\* (hinged side).

**Duplex** – Indoor /Outdoor – 2 units in one case, surface (suffix DUOL) – Model 9004L\*

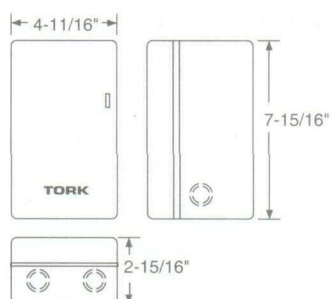
**Bracket mounting** – specify mechanism only with bracket.

\*Use model number when ordering special enclosures separately.

## METAL INDOOR NEMA 1 #68229

### STD. FOR MODELS

|        |              |
|--------|--------------|
| 1101   | 7122         |
| 1102   | 8001         |
| 1103   | 8004         |
| 1104   | 8011         |
| 1101FM | 8061         |
| 1104FM | 8121         |
| 7100   | 8301         |
| 7102   | 8601         |
| 7200   | 8602         |
| 7202   | E100 Series, |
| 7120   | EH10/20      |



## METAL INDOOR NEMA 1 #63100

### STD. FOR MODELS

|           |         |        |
|-----------|---------|--------|
| 7220, (L) | 1847AL  | LC200  |
| 7222, (L) | 1847AZL | LDS-A  |
| 7200L     | 8001L   | LDSH-A |
| 7202L     | 8007    |        |
| 7120L     | 8007L   |        |
| 1847A     | 8007V   |        |
| 1848A     | 8150    |        |
| 1849A     | 8150U   |        |
| 1847AZ    |         |        |

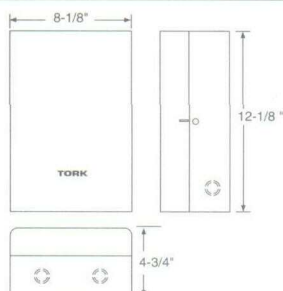


**AVAILABLE  
FOR SERIES**  
DZS, DTS,  
DW, DWZ,  
DG

## METAL INDOOR NEMA 1 #63016-1

### STD. FOR MODELS

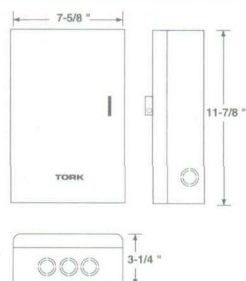
|        |        |
|--------|--------|
| TZ220L | W302L  |
| TZ300L | TW220L |
| W300   | TW300L |
| W302   | T920L  |
| W300L  | T930L  |



## METAL INDOOR NEMA 1 #70100

### STD. FOR MODELS

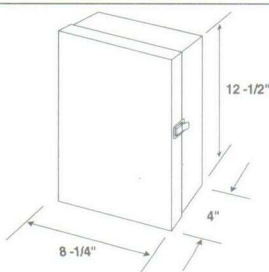
|      |         |
|------|---------|
| W100 | W222    |
| W200 | W220L   |
| W202 | W222L   |
| W120 | 1847AW  |
| W220 | 1847AWL |



## METAL INDOOR NEMA 1

### STD. FOR MODELS

|       |        |
|-------|--------|
| W400A | W400AL |
| W402A | W402AL |



## METAL INDOOR/OUTDOOR NEMA 3 Model 9000A – Suffix O (replaces Model 9000)

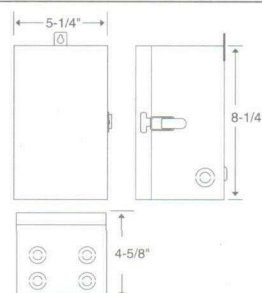
### STD. FOR MODELS

|           |        |
|-----------|--------|
| 7300, (L) | 7302Z  |
| 7302, (L) | 7300ZL |
| 7300Z     | 7302ZL |

### AVAILABLE FOR MODELS

|        |                |             |       |
|--------|----------------|-------------|-------|
| 1101   | 7200, (L,Z,ZL) | 1847AL      | 8007V |
| 1102   | 7202, (L,Z,ZL) | 1847AZL     | 8011  |
| 1103   | 7120, (L,Z,ZL) | 8001        | 8061  |
| 1104   | 7122, (L,ZL)   | 8004        | 8121  |
| 1101FM | 7220, (L)      | E100 Series | 8301  |
| 1104FM | 7222, (L)      | 8001U       | 8601  |
| 7100   | 1847A          | 8007        | 8602  |
| 7102   | 1847AZ         | 8007L       |       |

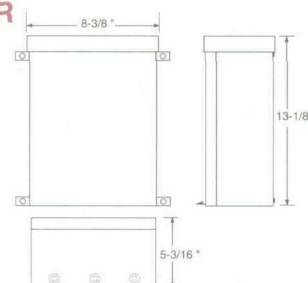
DW, DWZ, DZS, DTS Series



## METAL INDOOR/OUTDOOR NEMA 3 Model 9006 – Suffix O

### AVAILABLE FOR MODELS

|      |        |         |
|------|--------|---------|
| W100 | W222   | T920L   |
| W200 | W220L  | T930L   |
| W202 | W222L  | 1847AW  |
| W300 | W300L  | 1847AWL |
| W302 | W302L  |         |
| W120 | TW220L |         |
| W220 | TW300L |         |



## METAL INDOOR/OUTDOOR – NEMA 3 Model 9013I - Suffix O

**DIMENSIONS:** 10-1/2" x 7-7/8" x 4-3/4"

### AVAILABLE FOR MODELS

|        |
|--------|
| W400AL |
| W402AL |

## NORYL® INDOOR/OUTDOOR NEMA 3R Model 9000N – Suffix N

### STD. FOR MODELS

|            |            |            |
|------------|------------|------------|
| 7200Z, (L) | DG Series  | DWZ Series |
| 7202Z, (L) | DZS Series | SMC-3D     |
| 7120Z, (L) | DTS Series |            |
| 7122ZL     | DW Series  |            |

### AVAILABLE FOR MODELS

|                |                |         |             |
|----------------|----------------|---------|-------------|
| 1101           | 7202, (L,Z,ZL) | 1847AZL | 8602        |
| 1102           | 7120, (L,Z,ZL) | 8001    | E100 Series |
| 1103           | 7122           | 8004    |             |
| 1104           | 7122ZL         | 8001U   |             |
| 1101FM         | 7220, (L)      | 8011    |             |
| 1104FM         | 7222, (L)      | 8061    |             |
| 7100           | 1847A          | 8121    |             |
| 7102           | 1847AZ         | 8301    |             |
| 7200, (L,Z,ZL) | 1847AL         | 8601    |             |

