

# TORK DIGITAL

## SIGNAL TIMERS/PULSE OUTPUT 1 CHANNEL

**DGS180/100**

### APPLICATIONS

Bell or horn sounding in schools and factories. Two duration settings can differentiate between types of breaks. Also use for:

- Misting
- Spraying insecticides
- Process Functions
- Clock Correction Systems
- Roof Cooling

~~Same schedule everyday can omit operation on selected days.~~

**~~24 HOUR SIGNALS or PULSES~~**

<b>Total # Per Day</b>	<b>Minimum Setting</b>
288	5 minutes

Capable of different schedules each day of the week. Unique holiday schedule for optional use on any days.

**7 DAY – SIGNALS or PULSES**

<b>Total # Per Week</b>	<b>Minimum Setting</b>
32	1 minute

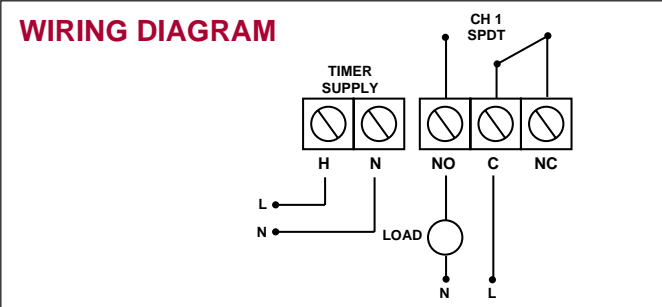
### STANDARD FEATURES (BOTH MODELS)

<b>Signal or Pulse Durations</b>	Either of 2 different settings of 1-99 seconds can be assigned to each signal or pulse
<b>Manual Override</b>	Activates signal/pulse #1 duration
<b>Daylight Saving</b>	Automatic adjustment (can be omitted)
<b>Leap Year</b>	Automatic compensation
<b>Display</b>	LCD
<b>Clock Format</b>	AM/PM (can be set to 24 hour if required)
<b>Power Outage Backup</b>	Battery back-up retains schedules - uses standard 9V non-rechargeable (not supplied) Lithium averages 450 hours of power outage; Alkaline averages 175 hours
<b>Enclosure</b>	Indoor/outdoor NEMA 3R Noryl. (Steel is available)

### ORDERING INFORMATION

Type	Model	Clock Input 50/60 Hz	Dry Contacts (unpowered)
24 Hour	DGS180	120VAC	SPDT
7 Day	DGS100	120VAC	SPDT

Units are available in 240 VAC — add suffix 2, 277 VAC — add suffix 3, 24 VAC — add suffix 24, 12 VDC — add suffix 12  
All units are available for panel, bracket, and flush mounting



Meets California Energy Commission Title 24 requirements.

### SPECIFICATIONS

**Power Consumption:** 4VA Max.  
**Contact Ratings:**

UL				CSA		
Resistive or Inductive	120/240VAC	20A	10A	General Purpose	125VAC	15A
	277VAC	6A	3A		240VAC	10A
Resistive	28VDC	20A	10A		277VAC	6A
Ballast	277VAC	6A	3A	Resistive	28VDC	20A
Pilot Duty	120/240VAC	470VA	275VA	Motor Load	120VAC	1/2 HP
	277VAC	690VA	—		240VAC	1 HP
Motor Load	120VAC	1 HP	1/4 HP	Pilot Duty	120/240VAC	470VA
	240VAC	2 HP	1/2 HP		277VAC	690VA

**Timing Accuracy:** Line frequency  
**Operating Temperature:** -4 to +122° F (-20° to +50° C)  
**Storage Temperature:** -22 to +167° F (-30 to +75° C)  
**Relative Humidity:** 0 to 90% R.H. (non-condensing)  
**Enclosure:**

**See end of controls section for dimensions.**  
**Noryl® Indoor/Outdoor (NEMA 3R) is standard. Metal is available.**  
**Other mountings: Metal Indoor (suffix Y), Flush, with lock and key (suffix FLG) Model 9014, Bracket mounting—specify mechanism only or mechanism with bracket.**

### SPECIFICATION WRITER'S GUIDE

- Model DGS180**
1. Furnish and install TORK Model DGS180 digital signal/pulse timer with a choice of 2 different durations of 1-99 seconds.
  2. Controller shall be capable of 288 set points.
  3. Controller shall program in 5 minute resolution.
  4. Controller shall repeat the same schedule each day or be capable of omitting any selected days.

**APPLIES TO BOTH MODELS**

5. Controller shall program in AM/PM or 24 Hour format.
6. Display shall be LCD.
7. Controller shall have daylight saving or standard time.
8. Controller shall have automatic leap year compensation.
9. Controller shall have battery backup capability of 450 hours with Lithium or 175 hours with Alkaline battery.
10. Controller shall be capable of manual override to activate pulse #1 duration.
11. Unit shall have an indoor/outdoor Noryl enclosure as standard.

- Model DGS100**
1. Furnish and install TORK Model DGS100 digital signal/pulse timer with a choice of 2 different durations of 1-99 seconds.
  2. Controller shall be capable of 32 set points.
  3. Controller shall program in 1 minute resolution.
  4. Controller shall be capable of a different schedule each day of the week.

**Write 5-11 as above.**