

# 7000Z SERIES

WITH SKIP-A-DAY FEATURE  
RESERVE POWER OPTIONAL  
ASTRONOMIC TIME SWITCH



CALIFORNIA Title 24  
ASHRAE 90.1

ADJUSTS TO DAILY CHANGES  
IN SUNSET TIMES!

<http://waterheatertimer.org/Tork-timers-and-manuals.html>

## APPLICATIONS



- Parking lots
- Walkways
- Outdoor signage
- Window displays
- Canopy lighting
- Landscape lighting
- Automatic ON at dusk, OFF at dawn. Control of outdoor lighting.

## FEATURES

**ASTRONOMIC SCHEDULING:** Turn ON at sunset and OFF at sunrise daily. OFF time can be set from 8:30PM to 2:30AM. Can be individually offset +/- 20 or 40 minutes from both sunset and OFF times. Available from 18° - 45° northern latitudes.

**SKIP-A-DAY:** Omit operations on any day with a 7 spoke wheel marked with days of the week. 3 omitting screws included.

**MANUAL OVERRIDE:** Until the next regularly scheduled ON or OFF, automatic operation then resumes.

**OPTIONAL RESERVE POWER:** "L" models keep dial on time up to 16 hours during power outage.

## ORDERING INFO

CATALOG NO.	UPC CODE	INPUT SUPPLY (VAC) 60Hz	OUTPUT CONTACTS	ENCLOSURE TYPE
7200Z-*	**	120	DPST	Noryl® Indoor/Outdoor NEMA 3R
7202Z-*	**	208-277	DPST	Noryl® Indoor/Outdoor NEMA 3R
7300Z-*	**	120	3PST	Metal Indoor/Outdoor NEMA 3
7302Z-*	**	208-277	3PST	Metal Indoor/Outdoor NEMA 3
7120Z-*	**	120	SPDT	Noryl® Indoor/Outdoor NEMA 3R
WITH RESERVE POWER				
7200ZL-*	**	120	DPST	Noryl® Indoor/Outdoor NEMA 3R
7202ZL-*	**	208-277	DPST	Noryl® Indoor/Outdoor NEMA 3R
7300ZL-*	**	120	3PST	Metal Indoor/Outdoor NEMA 3
7302ZL-*	**	208-277	3PST	Metal Indoor/Outdoor NEMA 3
7120ZL-*	**	120	SPDT	Noryl® Indoor/Outdoor NEMA 3R
7122ZL-*	**	208-277	SPDT	Noryl® Indoor/Outdoor NEMA 3R
Replacement Motor	#101 (120V) & #201 (208-277V). For "L" models #36 (120V) & #46 (208-277V)			

\*Add degrees latitude to complete number (18, 30, 34, 38, 40, 42, or 45).

\*\*Consult factory for UPC number.

## SPECIFICATIONS

**INPUT VOLTAGE:** 120 or 208-277 VAC  
60 Hz, varies by model.

**TIMING ACCURACY:** Line frequency.

**TERMINAL RANGE:** #8 - #14 AWG.

**OPERATING TEMPERATURE:**  
-40° to 165°F (-40° to +74°C).

**POWER CONSUMPTION:** 3 watts,  
5 watts for "L" models maximum.

**ENCLOSURE:** Lockable hasp. Type varies by model (see page 153 for enclosure dimensions).

## CONTACT RATINGS

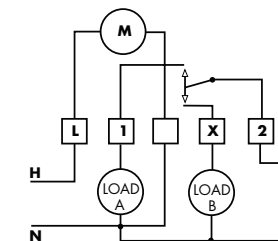
TYPE	VOLTAGE	CONTACT RATING
General Purpose	120 -277VAC single phase	40A
Resistive	120 -277VAC single phase	40A
Tungsten	120VAC	40A
Inductive	120, 277VAC single phase	20A
Pilot Duty	120 -277VAC	1000VA
Motor	120VAC 240VAC	2HP 5HP

## WIRING DIAGRAMS

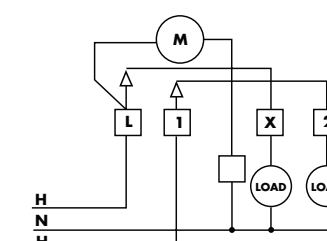
### ASTRONOMIC LATITUDE ZONES



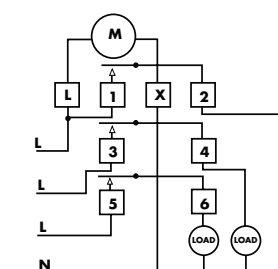
### 7120Z (SPDT)



### 7200Z (DPST)



### 7302 3PST



FOR USE WITH 3 PHASE 4-WIRE  
120/208V SYSTEMS.

## SPECIFICATION WRITER'S GUIDE

Furnish and install, where shown, a TORK time switch with Astronomic dial and day-omitting device powered by a self-starting synchronous motor. Time switch contacts shall be capable of switching 40 amperes per pole continuously at 277 volts and shall be (DPST, 3PST or SPDT) as required. ON operation shall occur automatically at sunset (in city of use). OFF operation shall be adjustable from 8:30 P.M. to 2:30 A.M. in one-half hour increments or at sunrise. Both ON and OFF shall have a range of adjustability of 20-40 minutes before or after sunset and sunrise. Enclosure shall be: DPST or SPDT is NEMA 3R indoor/outdoor - Noryl® - 3PST is NEMA 3 metal indoor/outdoor. Terminals shall be of the pressure type, capable of receiving #8 AWG wire. Time switch shall be TORK Model 7 \_\_\_ Z (to fit requirement).

FOR RESERVE POWER (Add Suffix L): Spring driven reserve shall be provided sufficient to operate the time switch contacts for at least 16 hours after power failure. On restoration of power, time switch shall transfer to synchronous motor drive and automatically rewind reserve power unit.