

TORK

DZS SERIES MULTIPURPOSE CONTROLS 1, 2 OR 4 CHANNEL

**365 DAY ADVANCE SINGLE HOLIDAY
AND SEASONAL SCHEDULING
WITH ASTRONOMIC FEATURE**

MEETS CALIFORNIA
ENERGY COMMISSION'S
TITLE 24 REQUIREMENTS

and
ASHRAE
90.1 1999

DZS100BP DZS200BP DZS400BP

**SPECIAL
FEATURES!**



SUPERCAPACITOR BACKUP!

**PERMANENT SCHEDULE RETENTION UP TO
40 YEARS WITHOUT POWER**

MEMORY MODULE can be programmed at any one location and inserted into another DZS series unit with MM socket in any other location!

MM

COPY FEATURE: Unit can be configured to copy program schedule to multiple memory modules!

(OPTIONAL) Windows-based program and MEMORY MODULE PROGRAMMER can be used to program the memory module.

**optional
MMP**

Capable of different schedules each day of the week
ON & OFF SET POINTS: 99 per week, minimum setting is one minute.

ASTRONOMIC OFFSET: 299 minutes

APPLICATIONS

- HVAC Equipment
- Horns, Bells
- Interior Lighting
- Electric Motors
- Outdoor Lighting and signs
- Refrigeration defrost control: Condensers, Heaters

SPECIFICATIONS

TIMING ACCURACY: Line Frequency

OPERATING TEMPERATURE:

-40 to +158°F (-40° to +70°C.)

POWER CONSUMPTION:

DZS100/200BP: 5VA max

DZS400BP: 6VA max

ENCLOSURE: Noryl® Indoor/Outdoor

NEMA 3R is standard.

OTHER MOUNTINGS:

Metal Indoor, add suffix Y, Model 63100

Metal Indoor/Outdoor – NEMA 3R

add suffix O: Model 9000A

Flush with lock and key:

add suffix FLG: Model 9011

Bracket for panel mounting: consult factory at 888-500-4598

FEATURES

DISPLAY: LCD

ASTRONOMIC:

1. Adjustable 10°-60° Northern or Southern latitudes
2. Can be individually offset +/- 1-299 minutes from both sunset and sunrise times.

HOLIDAYS: 1 to 24 individual dates

SEASONS: 1 to 4 with different daily schedules which can wrap around into the new year

DAYLIGHT SAVING: Automatic adjustment (can be omitted).

LEAP YEAR: Automatic Compensation

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

CLOCK FORMAT: AM/PM or military time

COPY FEATURE: Unit can be configured to copy program schedule to multiple memory modules

SIGNAL/PULSE DURATION: 2 different setting per channel: each 1-99 seconds.

POWER OUTAGE BACKUP: Permanent Schedule Retention for up to 40 years. Supercapacitor maintains real time.

TORK

A DIVISION OF  NSI INDUSTRIES, LLC

**TECHNICAL SUPPORT:
888.500.4598**

DZS SERIES

MULTIPURPOSE CONTROLS

1, 2 OR 4 CHANNEL

DZS100BP

DZS200BP

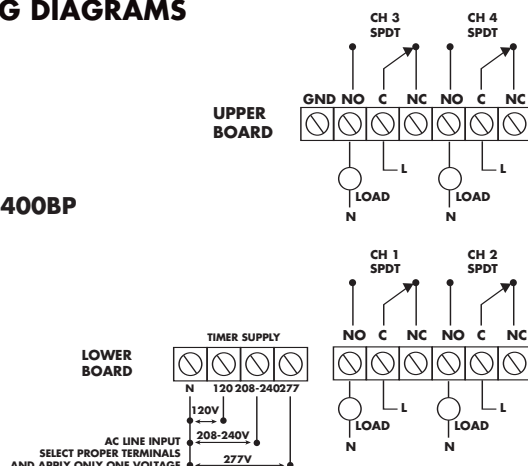
DZS400BP

CATALOG NO	UPC CODE	TYPE	VOLTAGE (VAC)	DRY CONTACTS (UNPOWERED)	CTN QTY
DZS100BP		1 CHANNEL	120/(208-240)/277	DPDT	
DZS200BP		2 CHANNEL	120/(208-240)/277	SPDT	
DZS400BP		4 CHANNEL	120/(208-240)/277	SPDT	

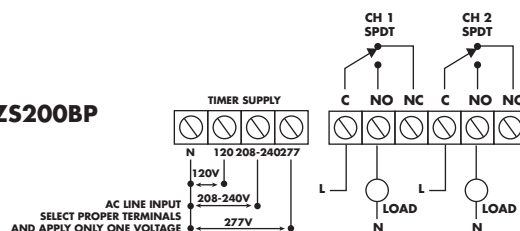
DZS100BP, DZS200BP			DZS400BP			CONTACT RATINGS
TYPE	VOLTAGE	RATING NO NC	TYPE	VOLTAGE	RATING	
Ballast	120VAC	20A 10A	General Purpose	24-277VAC, 30VDC	10A	
	208-277VAC	10A 3A				
Tungsten	120-277VAC	5A 3A	Tungsten	120VAC	360 watts	
	277VAC	12A 6A				
General Purpose	24-240VAC	20A 10A	Pilot Duty	120-277VAC	360VA	
	277VAC	690VA				
Motor Load	120VAC	1HP ½HP	Motor Load	120VAC	½HP	
	208-240VAC	2HP ½HP				
	277VAC	1HP				
Resistive	28VDC	20A 10A				

WIRING DIAGRAMS

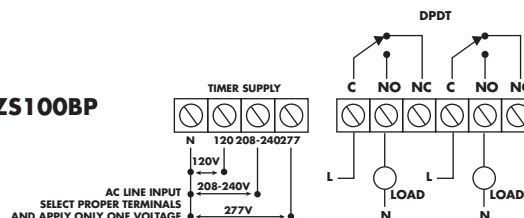
DZS400BP



DZS200BP



DZS100BP



SPECIFICATION WRITER'S GUIDE

DZS SERIES

- Furnish and install where noted a 4 (2) (1) channel digital time switch with portable Memory Module on front panel.
- Memory Module shall be capable of being programmed at any one location and inserted into DZS100, 200, 400BP Series (with memory module socket) in any other remote location.
- Optional programmer shall be available (Model MMP), capable of accomplishing Windows based settings on a PC for easy duplication of Memory Modules or individualized programs for multiple locations.
- Controller shall program in AM/PM (12 hour) or Military (24 hour) formats.
- Controller shall program in one minute resolution.
- Display shall be of LCD type.
- Controller shall be capable of 99 set points; separate scheduling for each day of the week.
- Controller shall have 365 day holiday capabilities with 24 single dates and 4 seasons of unlimited duration.
- Different daily schedules shall be programmable within each season.
- Controller shall have Daylight Saving or Standard time.
- Controller shall have automatic Leap Year correction.
- Schedules shall be retained for 40 years without power.
- Controller shall have 4 day backup for real time with built in supercapacitor.
- Controller shall be capable of manual override ON or OFF to the next scheduled event using 1 button for each channel.
- Unit shall have NEMA Type 3 indoor/outdoor enclosure as standard.
- Controller shall be capable of having 2 different pulse durations 1-99 seconds, user settable and assignable to each channel.
- Controller shall be capable of having astronomic on one (or all) channels with 1-299 minutes, plus or minus offset from Sunrise or Sunset.
- Controller shall be capable of being configured to copy to multiple memory modules.
- To order specify TORK Model DZS100BP (DZS200BP) (DZS400BP).