

DZS SERIES

MULTIPURPOSE CONTROLS

1, 2 OR 4 CHANNEL

365 / 7 DAY ADVANCED

TIME SWITCH



**REMOVABLE MEMORY
MODULE FOR COMPUTER
PROGRAMMING!**

APPLICATIONS



- HVAC equipment
- Horns and bells
- Interior lighting
- Electric motors
- Outdoor lighting and signs

FEATURES

SCHEDULING: 99 ON & OFF set points allow individual programs for each day of the week at a minimum 1 minute apart.

ASTRONOMIC: Adjustable 10° - 60° Northern or Southern latitudes can be individually offset +/-1 to 240 minutes from both sunset and sunrise times.

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

HOLIDAYS: 1 to 24 individual dates.

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

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. In signal mode, activates pulse.

CLOCK FORMAT: AM/PM or Military time.

POWER OUTAGE BACKUP: Permanent schedule retention with memory module. Supercapacitor provides 7 days of real time backup.

MEMORY MODULE: Removable MM can be programmed at any one location and inserted into another DZS series unit.

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

OPTION: Memory Module Programmer with software for computer connection programming. Also allows stand alone battery operation for portable copy feature.

ORDERING INFO

CATALOG NO.	UPC CODE	TIMER SUPPLY (VAC) 50/60Hz	NO. OF CHANNELS	DRY CONTACTS (UNPOWERED)
DZS100BP	82182	120/208-240/277	1	DPDT
DZS200BP	82183	120/208-240/277	2	SPDT
DZS400BP	82184	120/208-240/277	4	SPDT
USB-MMP	82196		Memory Module Programmer	Includes software
DZS100BP-0	82215	120/208-240/277	1	DPDT
DZS200BP-0	82227	120/208-240/277	2	SPDT
DZS200BP-12	82228	12VDC	2	SPDT
DZS200BP-24	82229	24VAC	2	SPDT
DZS400BP-0	82230	120/208-240/277	4	SPDT

SPECIFICATIONS

TIMING ACCURACY: Line frequency.

INPUT VOLTAGE: 120/208-240/277VAC, 50/60Hz.

TERMINAL RANGE:

#14-#16AWG for line input.
#12-#16AWG load outputs.

OPERATING TEMPERATURE:

-40° to +158°F (-40° to 70°C).

POWER CONSUMPTION:

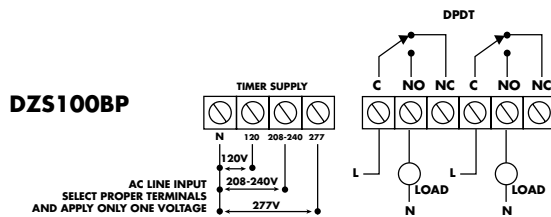
5VA Max: DZS100/200BP.
6VA Max: DZS400BP.

ENCLOSURE: Noryl® Indoor/Outdoor NEMA 3R. Suffix -0 metal Indoor/Outdoor NEMA 3. All with lockable hasp (see page 153 for enclosure dimensions).

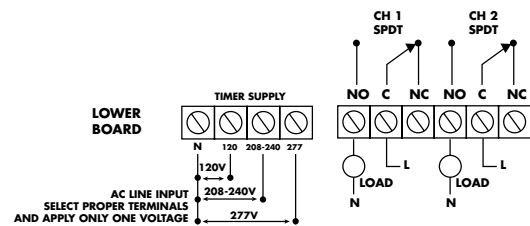
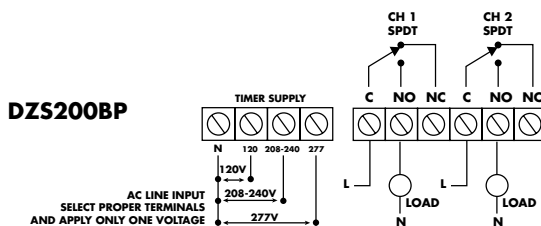
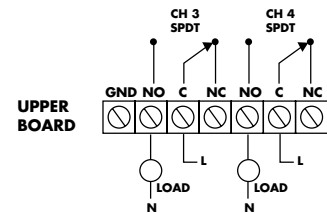
CONTACT RATINGS

TYPE	DZS100BP, DZS200BP			DZS400BP		
	VOLTAGE	RATING		VOLTAGE	RATING	
		NO	NC		NO	NC
General Purpose	24-277VAC	30A	30A	24-277VAC	20A	20A
Ballast	120VAC	30A	10A	120-277VAC	13A	
	277VAC	20A	10A			
Tungsten	120-277VAC	15A	2A	120VAC	8A	
Motor Load	120VAC	1HP	1HP	120-277VAC	1HP	1HP
	208-277VAC	2HP	2HP			
Pilot Duty	120-277VAC	720VA	720VA	12-277VAC	720VA	720VA
Resistive	28VDC	30A	30A			

WIRING DIAGRAMS



DZS400BP



SPECIFICATION WRITER'S GUIDE

DZS SERIES – 1. Furnish and install, where noted, a 4 (2) (1) channel digital time switch with portable Memory Module on front panel. 2. Memory Module shall be capable of being programmed at any one location and inserted into DZS100BP, 200BP, 400BP Series (with memory module socket) in any other remote location. 3. 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 4. Unit shall have copy feature: Can be configured to copy program schedules from one memory module to another without use of the optional memory module programmer. 5. Controller shall program in AM/PM (12 hour) or Military (24 hour) formats. 6. Controller shall program in one minute resolution. 7. Display shall be of LCD type. 8. Controller shall be capable of 99 set points; separate scheduling for each day of the week. 9. Controller shall have 365 day holiday capabilities with 24 single dates and 4 seasons of unlimited duration. 10. Different daily schedules shall be programmable within each season. 11. Controller shall have Daylight Saving or Standard time. 12. Controller shall have automatic Leap Year correction. 13. Controller shall have Permanent Schedule Retention. 14. Controller shall have 7 day backup for real time with built in super capacitor. 15. Controller shall be capable of manual override ON or OFF to the next Scheduled event using 1 button for each channel. 16. Unit shall have NEMA Type 3 indoor/outdoor enclosure as standard. 17. Controller shall be capable of having 2 different pulse durations 1-99 seconds, user settable and assignable to each channel. 18. Controller shall be capable of having astronomic on one (or all) channels with 1-240 minutes, plus or minus offset from Sunrise or Sunset. 19. Controller shall be capable of being configured to copy to multiple memory modules. 20. To order specify TORC Model DZS100BP (DZS200BP) (DZS400BP).