

DIGITAL

365/7 Day Time Switch

Seasonal & Signal Control

DTS Series



APPLICATIONS

- Indoor/outdoor lighting, heating and air conditioning.
- Security systems, horns and bells, low voltage lighting.
- Misting and spraying, roof cooling, clock correction systems.
- Process functions.

FEATURES

- **Scheduling:** 99 ON/OFF set points allow individual programs for each day of the week at a minimum 1 minute apart.
- **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: each 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 24 Hour format.
- **Power Outage Backup:** Permanent schedule retention. Supercapacitor provides 7 days of real time backup.
- **Standards:** Listed UL917.
- **Enhanced Switching:** Inrush current limiting technology protects relay contacts for extended life with zero cross type switching.

SPECIFICATIONS

- **Timing Accuracy:** Line Frequency.
- **Input Voltage:** 120/208-277VAC, 50/60Hz.
- **Terminal Range:**
#14 - #16AWG for line input.
#12 - #16AWG load outputs.
- **Operating Temperature:** -40 °F to +149 °F (-40 °C to +65 °C).
- **Power Consumption:** 6VA Max.
- **Enclosure:**
- Noryl® Indoor/Outdoor NEMA 3R with lockable hasp.
(See Pages 464-468 For Dimensions).

WIRING DIAGRAMS

- See Pages 377-388 For Diagrams.

DTS400B

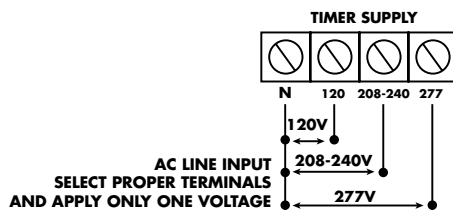
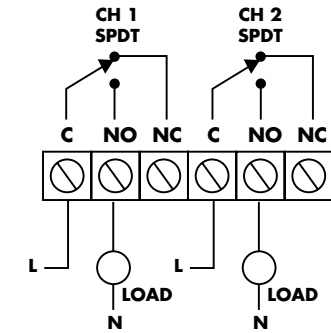


CAT. NO.	UPC CODE	INPUT SUPPLY (VAC) 50/60Hz	NO. OF CHANNELS	DRY CONTACTS (UNPOWERED)
DTS100B	82185	120/208 - 240/277	1	DPDT
DTS200B	82186	120/208 - 240/277	2	SPDT
DTS400B	82187	120/208 - 240/277	4	SPDT

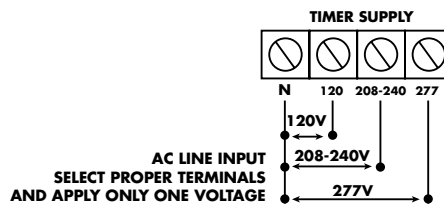
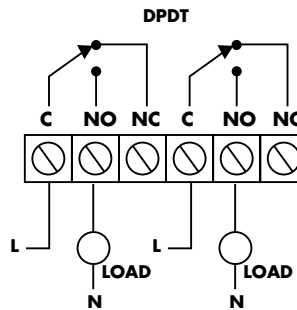
TYPE	DTS100B, DTS200B			DTS400B		
	VOLTAGE (VAC)	RATING NO	RATING NC	VOLTAGE (VAC)	RATING NO	RATING NC
General Purpose	204-277	30A	30A	204-277	20A	20A
Ballast	120	30A	10A	120-277	13A	-
	277	20A	10A			-
Tungsten	120-277	15A	2A	120	8A	-
Pilot Duty	120-277	720VA	720VA	120-277	720VA	360VA
Motor	120	1HP	1HP	120/240	1/2HP	1/2HP
	208-277	2HP	2HP			
Resistive	28VDC	30A	30A	-	-	-
Electronic Ballast (LED)	277	16A	-	-	-	-

DIGITAL Wiring Diagrams

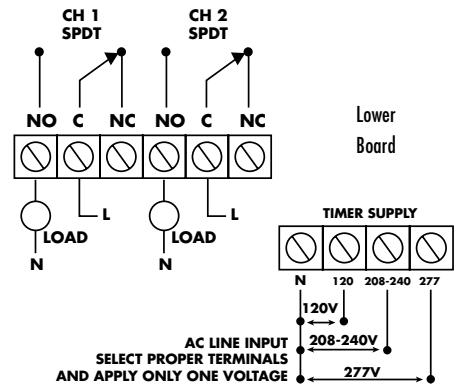
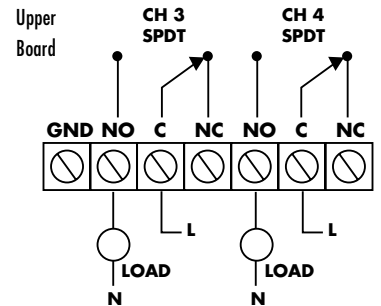
DTS200B



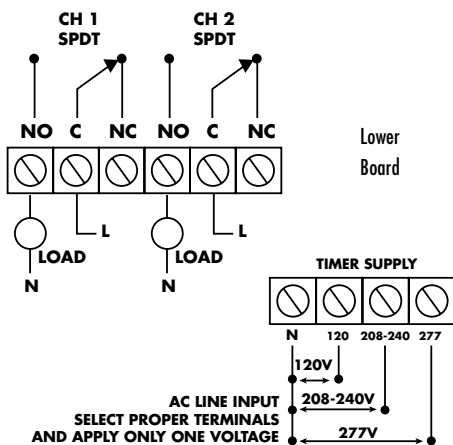
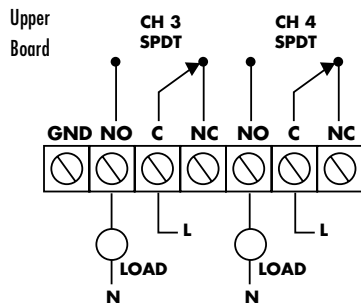
DZS100BP



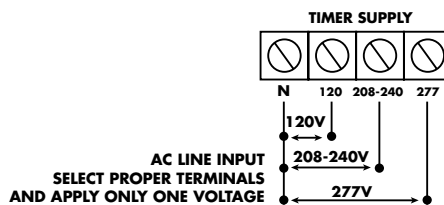
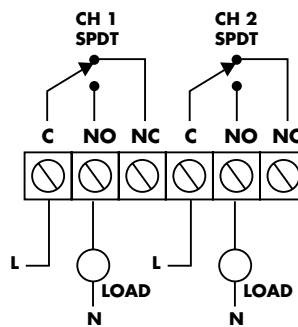
DZS400BP



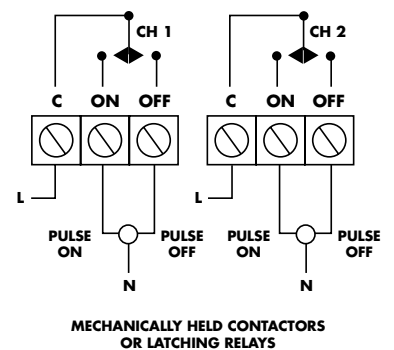
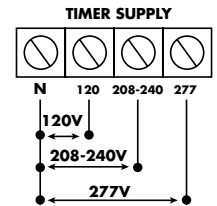
DTS400B



DZS200BP



DZM200BP



MECHANICALLY HELD CONTACTORS OR LATCHING RELAYS