

# DIGITAL

## 365/7 Day SunSet Time Switch

### Momentary Output Astronomic Lighting Control

#### DZM Series



#### APPLICATIONS

- Low voltage latching relays.
- Direct wire to mechanically held contactors.

#### FEATURES

- **Scheduling:** 99 ON & OFF set points allow individual programs for each day of the week at a minimum 1 minute apart.
- **Sunset Astronomic:** Adjusts daily to changes in sunset times. 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.
- **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 24 Hour format.
- **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 DZM 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.
- **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 158 °F (-40 °C to +70 °C).
- **Power Consumption:** 4VA Max.
- **Enclosure:**  
- Noryl® Indoor/Outdoor NEMA 3R.  
- With lockable hasp. (See Pages 464-468 For Dimensions).

#### WIRING DIAGRAMS

- See Pages 377-388 For Diagrams.

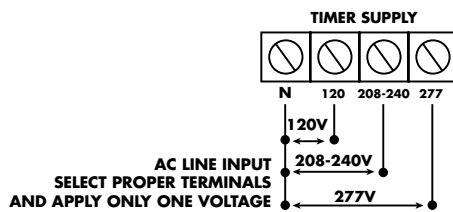
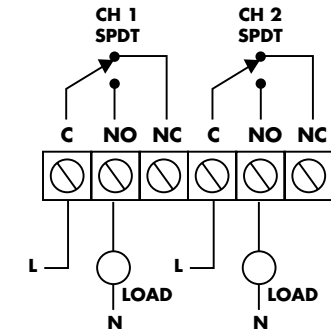


| CAT. NO. | UPC CODE | INPUT SUPPLY (VAC) 50/60Hz | NO. OF CHANNELS          | DRY CONTACTS (UNPOWERED) |
|----------|----------|----------------------------|--------------------------|--------------------------|
| DZM200BP | 82188    | 120/208-240/277            | 2                        | SPDT Momentary           |
| USB-MMP  | 82196    | —                          | Memory Module Programmer | Includes software        |

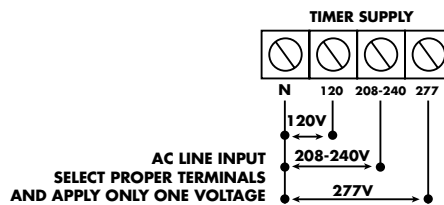
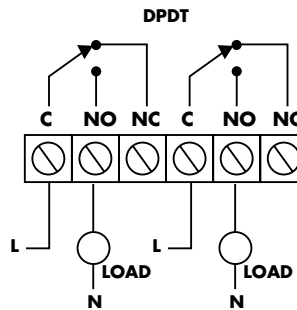
| TYPE       | VOLTAGE (VAC) | RATING |
|------------|---------------|--------|
| Resistive  | 24-277        | 20A    |
| Pilot Duty | 120-277       | 720VA  |

# DIGITAL Wiring Diagrams

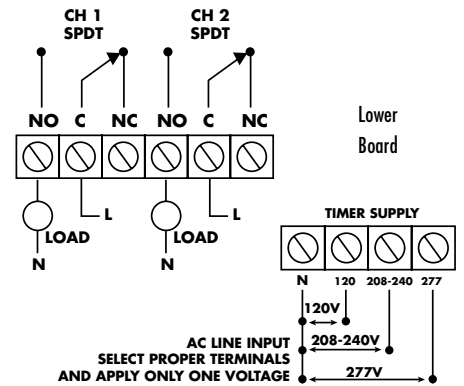
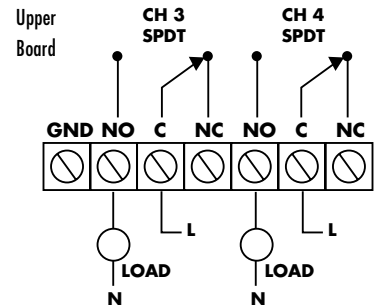
DTS200B



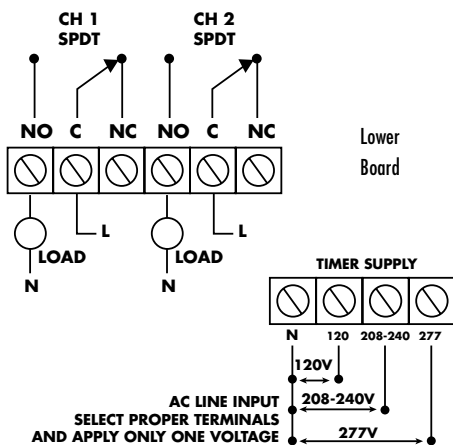
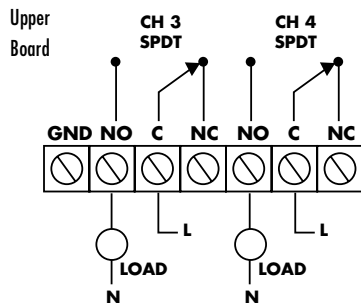
DZS100BP



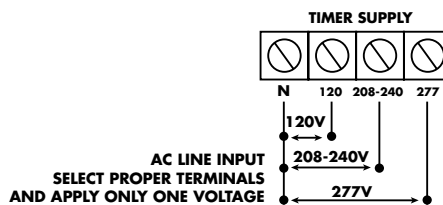
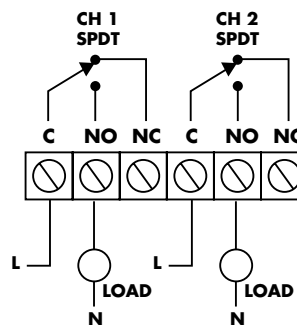
DZS400BP



DTS400B



DZS200BP



DZM200BP

