

# DIGITAL SunSet Time Switch

## Two Channel Astronomic Lighting Control EWZ201C Series



### APPLICATIONS

- Outdoor signs.
- Lighting security.
- Heating and air conditioning.

### FEATURES

- **Three Contact Settings:**
  - Two- Channel: Factory default operates with two independent SPST contacts.
  - Double Pole Option: Software allows option for single channel DPST setting.
  - Momentary Option: For mechanically held contractors: Configure with simple jumper change for single channel momentary operation.
- **Enhanced Switching:** Inrush current limiting technology protects relay contacts for extended life with zero cross switching. Rated for LED lighting drivers and electronic ballasts.
- **Auto-Voltage Detection:** One unit covers all voltages from 120VAC to 277VAC without dip switch to set.
- **Scheduling:** 32 ON & OFF set points for individual programs for each day of the week. Minimum setting is 1 minute.
- **Block Holiday:** 20 holiday blocks can be set for individual days or for duration of any number of days.
- **SunSet Astronomic:** Adjusts daily to changes in sunset times. Adjustable 10° - 60° Northern or Southern latitudes. Can be individually offset +/- 1-240 minutes from both sunset and sunrise times.
- **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.
- **Power Outage Backup:** Permanent schedule retention. Supercapacitor provides 4 days of real time backup.
- **Standards:** Listed UL917

### SPECIFICATIONS

- **Timing Accuracy:** Line Frequency.
  - **Input Voltage:** 120-277VAC, 50/60Hz (automatic detection)
  - **Terminal Range:** #8 - #16AWG.
  - **Operating Temperature:** -40 °F to +149 °F (-40 °C to +65 °C).
  - **Power Consumption:** 6VA Max.
  - **Enclosure:**
    - Polycarbonate Indoor/Outdoor NEMA 3R is standard with lockable hasp.
    - Suffix -MB without enclosure and includes mounting bracket.
- (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	OUTPUT DRY CONTACTS
EWZ201C	82451	120-277	2	SPDT
EWZ201C-MB	82452	120-277	2	SPDT

TYPE	VOLTAGE (VAC) 50/60Hz	RATING
Resistive	120-277	30A
	28VDC	30A
Ballast	120	30A
	208-277	20A
Electronic Ballast/LED	120-277	16A
Pilot Duty	120-277	720VA
Motor	120	1HP
	208	1 1/2HP
	240-277	2HP