

DIGITAL

Sunset Time Switch

Astronomic Lighting Control

EWZ Series



APPLICATIONS

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

FEATURES

- **Scheduling:** 20 ON & OFF set points for individual programs for each day of the week. Minimum setting is 1 minute.
- **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
- **Enhanced Switching:** Inrush current limiting technology protects relay contacts for extended life with zero cross type switching.

SPECIFICATIONS

- **Timing Accuracy:** Line Frequency.
- **Input Voltage:** 120-277VAC, 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. (See Pages 464-468 For Dimensions).
- Suffix -MB without enclosure and includes mounting bracket.
- **Options:**
- Suffix -Q Quartz crystal timing. Maintains accurate timing where 50/60 Hz is not consistent such as on-site generator produced power. Consult factory for minimum order size.

WIRING DIAGRAMS

- See Pages 377-388 For Diagrams.

EWZ101-MB



CAT. NO.	UPC CODE	INPUT SUPPLY (VAC) 50/60Hz	NO. OF CHANNELS	OUTPUT DRY CONTACTS
EWZ101	82470	120-277	1	SPST
EWZ120	82471	120-277	1	SPDT
EWZ101-MB	82263	120-277	1	SPST
EWZ120-MB	82275	120-277	1	SPDT

TYPE	EWZ101, EWS103, EWZ201		EWZ120		
	VOLTAGE (VAC)	RATING NO	VOLTAGE (VAC)	RATING NO	NC
General Purpose	120-277	40A	120-277	30A	30A
Inductive	120-277	40A	120-277	30A	30A
Ballast	120	30A	120	30A	10A
	208-277	20A	208-277	20A	10A
Tungsten	120	15A	120	15A	2A
Pilot Duty	120-277	720VA	120-277	720VA	720VA
Motor	120	1HP	120	1HP	1HP
	208	1 1/2HP	208	1 1/2HP	1 1/2HP
	240-277	2HP	240-277	2HP	2HP
Resistive	28VDC	30A	28VDC	30A	30A
Electronic Ballast (LED)	277	16A	277	16A	—