

Introducing

EWZ SERIES... adding incredible new features to our already packed lineup of multipurpose digital controls!

- MULTIPURPOSE 7 DAY, AVAILABLE IN 1 & 2 CHANNELS
- PERMANENT SCHEDULE RETENTION
- SUPERCAPACITOR BACKUP - REAL TIME CLOCK
- PATENTED 40 AMP CONTACTS (EWZ101, EWZ103, EWZ201)
- 30 AMP CONTACTS (EWZ120)
- MULTI-VOLTAGE INPUT 120-277VAC
- AUTOMATIC DAYLIGHT SAVINGS & LEAP YEAR COMPENSATION
- STD. NON-METALLIC INDOOR/OUTDOOR NEMA 3R ENCLOSURE
- 2 CHANNEL EWZ201 CONFIGURABLE FOR 1 CHANNEL MOMENTARY
- BOTH STANDARD & ASTRONOMIC ON ALL MODELS



Capable of different schedules each day of the week **ON & OFF**
SET POINTS: 20 per day or week, min. setting is one minute.

- APPLICATIONS**
- Outdoor signs
 - Security Lighting
 - Canopy Lighting
 - Parking Lot Lighting

CATALOG NO	UPC CODE	DESCRIPTION	TYPE	CLOCK INPUT 50/60Hz	DRY CONTACTS (UNPOWERED)
EWZ101	82470	Multivolt 7 day astronomic with supercapacitor; Indoor/Outdoor 1 CH 40A SPST	1 CHANNEL	120-277VAC	SPST
EWZ103	82470	Multivolt 7 day astronomic with supercapacitor; Indoor/Outdoor 1 CH 40A DPST	1 CHANNEL	120-277VAC	DPST
EWZ120	82471	Multivolt 7 day astronomic with supercapacitor; Indoor/Outdoor 1 CH 30A SPDT	1 CHANNEL	120-277VAC	SPDT
EWZ201	82472	Multivolt 7 day astronomic with supercapacitor; Indoor/Outdoor 2 CH 40A SPST	2 CHANNEL	120-277VAC	SPST

**CONTACT RATINGS
 SPECIFICATIONS
 ENCLOSURE OPTIONS
 WIRING DIAGRAMS
 ON REVERSE!**

EWZ SERIES

MULTIPURPOSE CONTROLS

1 OR 2 CHANNEL

EWZ101
EWZ103
EWZ120
EWZ201

FEATURES

MOMENTARY OPTION: For mechanically held contactors:

Model EWZ201 only. CAUTION: unit must be configured for momentary.)

DAYLIGHT SAVING: Automatic (can be changed or omitted)

LEAP YEAR: Automatic Compensation

DISPLAY: LCD • **CLOCK FORMAT:** AM/PM

ASTRONOMIC: 1. Adjustable 10°-60° Northern or Southern latitudes

2. Can be individually offset +/- 1-299 minutes from both sunset and sunrise times.

MANUAL OVERRIDE: Until the next regularly scheduled ON or OFF when automatic operation then resumes or permanently if desired.

POWER OUTAGE BACKUP: Permanent Schedule Retention. Supercapacitor maintains real time clock for 100 hours.

SPECIFICATIONS

TIMING ACCURACY: Line Frequency

OPERATING TEMPERATURE: -40 to +149°F (-40° to +65°C.)

STORAGE TEMPERATURE: -40° to +158°F (-40° to +70°C.)

RELATIVE HUMIDITY: 0 to 90% RH

ENCLOSURE: Indoor/Outdoor NEMA 3R plastic is standard

INPUT VOLTAGE: 120-277VAC, 50/60Hz (automatic detection)

POWER CONSUMPTION: 6VA max.

OTHER MOUNTINGS:

Metal Indoor, add suffix Y

Plastic Indoor/Outdoor with clear window

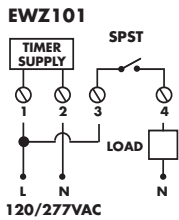
NEMA 3R: add suffix C

Metal Indoor/Outdoor – NEMA 3: add suffix O

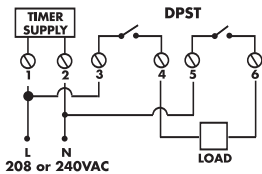
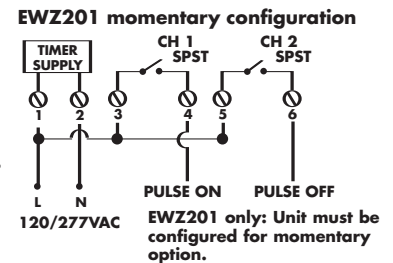
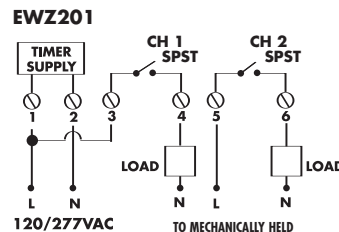
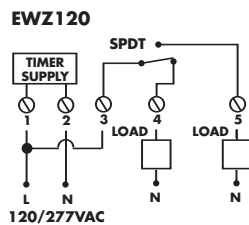
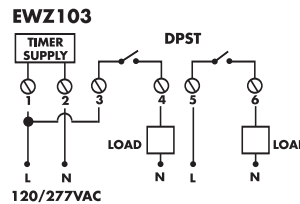
Flush with lock and key: add suffix FLG

Bracket mounting – specify mechanism only with bracket

WIRING DIAGRAMS



LOAD TYPE	cULus		EWZ120 (SPDT)		DRY CONTACT RATINGS	
	120VAC	208-277VAC	NO	NC	NO	NC
Resistive	40A	40A	30A	30A	30A	30A
Inductive	40A	40A	30A	30A	30A	30A
Ballast	30A	20A	30A	10A	20A	10A
Tungsten	15A		15A	2A		
Pilot Duty	720VA	720VA	720VA	720VA	720VA	720VA
Motor	1HP	1½HP@208VAC	1HP	1HP	1½HP@208VAC	
30A resistive @28VDC		2HP@240-277VAC	all NO/NC 30A resistive @28VDC		2HP@240-277VAC	



SPECIFICATION WRITER'S GUIDES

EWZ SERIES

- Furnish and install TORK digital time switch with (40 AMP contacts, models EWZ101/103/201) (30 AMP contacts, model EWZ120).
- Unit shall be capable of 20 set points.
- Unit shall be capable of a different schedule for each day of the week.
- Unit shall be have astronomic option adjustable from 1°-60° northern or southern latitudes.
- Unit shall be have astronomic option with offset up to 4 hours and 59 minutes, before or after sunrise.
- (Model EWZ201 ONLY) Unit shall be capable of being a 2 channel maintained or a 1 channel momentary.
- Unit shall have automatic Daylight Savings Time and Leap Year compensation.
- Unit shall program in AM/PM format.
- Display shall be of LCD type.
- Unit shall have permanent schedule retention.
- Unit real time clock shall be retained by capacitor for 100 hours in a power failure.
- Unit shall be capable of manual override ON or OFF either in the next scheduled event or permanently.
- Unit shall have NEMA Type 3 indoor/outdoor enclosure as standard.
- Unit shall have Load Status indication.
- Unit shall have Power Failure indication.
- To order specify TORK Model EWZ101 (EWZ103) (EWZ120) (EWZ201).