

# TORK<sup>®</sup> nsi INDUSTRIES

## DIGITAL TIME SWITCHES

**E & E-PB SERIES**  
**Multipurpose Controls**  
**1 or 2 Channel**  
**24 Hour Time Switch**

### COMMON USES:

- Signs
- Air conditioning
- Lighting
- Sump pumps
- Ventilating Fans



**4JNE4**



### FEATURES

- Scheduling: 20 ON/OFF set points repeat each day. Minimum setting 1 minute.
- 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.
- Momentary Option: For mechanically held contractors: Configure with simple jumper change for single-channel momentary operation.
- Standards: Listed UL917
- Enhanced Switching: Inrush current limiting technology protects relay contacts for extended life with zero cross type switching.

### ORDERING INFO

GRAINGER NO.	PART NO.	DESCRIPTION	UPC CODES	INPUT SUPPLY (VAC) 50/60Hz	NO. OF CHANNELS	OUTPUT DRY CONTACTS
<b>4JNE4</b>	E101B	Electronic Timer,24 HR,SPST	82401	120-277	1	SPST
<b>4JNF1</b>	E101PB	Electronic Timer,24 HR,SPST	82461	120-277	1	SPST
<b>4JNE5</b>	E103B	Electronic Timer,24 HR,DPST	82411	120-277	1	DPST
<b>4JNE6</b>	E120B	Electronic Timer,24 HR,SPDT	82406	120-277	1	SPDT

### CONTACT RATING

TYPE	E101B, E103B		E101PB	
	VOLTAGE (VAC)	RATING NO	VOLTAGE (VAC)	RATING NO
General Purpose	120-277	40A	120/240	30A
			277	12A
Inductive	120-277	40A	120-240	30A
			277	12A
Ballast	120	30A	120	20A
	208-277	20A	277	6A
Tungsten	120	15A	120	5A
Pilot Duty	120-277	720VA	120-240	470VA
			277	690VA
Motor	120	1HP	120	1HP
	208	1 1/2HP	240	2HP
	240-277	2HP		
Resistive	28VDC	30A	28VDC	20A

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## DIGITAL TIME SWITCHES

**DIGITAL**  
**Sunset Time Switch**  
**Astronomic Lighting Control**  
**EWZ Series**

### COMMON USES:

- 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.

### ORDERING INFO

GRAINGER NO.	PART NO.	DESCRIPTION	UPC CODES	INPUT SUPPLY (VAC) 50/60Hz	NO. OF CHANNELS	OUTPUT DRY CONTACTS
<b>4JNF4</b>	EWZ101	Electronic Timer,Astro 7 Days,SPST	82470	120-277	1	SPST
	EWZ101-MB*	Astro Digital Timer SPST Bracket	82263	120-277	1	SPST
<b>4JNF6</b>	EWZ120	Electronic Timer,Astro 7 DayS,SPDT	82263	120-277	1	SPDT
	EWZ120-MB*	Astro Digital Timer SPDT Bracket	82275	120-277	1	SPDT
	EWZ201C*	Astronomic Time Switch,2 Channel 7 Day	82472	120-277	2	SPST
	EWZ201C-MB*	Astronomic Digital Timer,2 Channel Brckt	82281	120-277	2	SPST

\* Item available through Grainger Sourcing Only.

### CONTACT RATING

TYPE	EWZ101, EWA103, 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