

# E & E-PB SERIES

MULTIPURPOSE CONTROLS  
1 OR 2 CHANNEL  
24 HOUR TIME SWITCH



**BACK-UP WITHOUT BATTERY,  
ECO FRIENDLY!**

## APPLICATIONS



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

## 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: Model E201B only. Configure with simple jumper change for single-channel momentary operation.

## ORDERING INFO

CATALOG NO.	UPC CODE	INPUT SUPPLY (VAC) 50/60Hz	NO. OF CHANNELS	OUTPUT DRY CONTACTS
E101B	82401	120-277	1	SPST
E103B	82411	120-277	1	DPST
E120B	82406	120-277	1	SPDT
E201B	82466	120-277	2	SPST
E101PB	82461	120	1	SPST



## SPECIFICATIONS

**TIMING ACCURACY:** Line Frequency.

**INPUT VOLTAGE:**

**E SERIES**

120 - 277VAC, 50/60Hz (automatic detection).

**E-PB**

120VAC, 50/60Hz.

**TERMINAL RANGE:** #8 - #16AWG.

**OPERATING TEMPERATURE:**

-40° to +149°F (-40° to +65°C).

**POWER CONSUMPTION:** 6VA Max.

**ENCLOSURE:** Plastic Indoor/Outdoor NEMA 3R

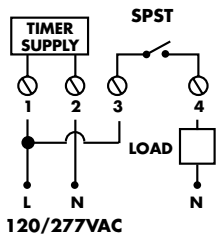
is standard with lockable hasp (see page 153 for enclosure dimensions).

## CONTACT RATINGS

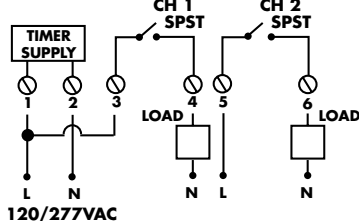
TYPE	E101B, E103B, E201B		E120B		E101PB	
	VOLTAGE	RATING NO	RATING NO	NC	VOLTAGE	RATING NO
General Purpose	120-277VAC	40A	30A	30A	120/240VAC 277VAC	30A 12A
Inductive	120-277VAC	40A	30A	30A	120/240VAC 277VAC	30A 12A
Ballast	120VAC	30A	30A	10A	120VAC	20A
	208-277VAC	20A	20A	10A	277VAC	6A
Tungsten	120VAC	15A	15A	2A	120VAC	5A
Pilot Duty	120-277VAC	720VA	720VA	720VA	120-277VAC	470VA
Motor	120VAC	1HP	1HP	1HP	120VAC	1HP
	208VAC	1½HP	1½HP	1½HP	240VAC	2HP
	240-277VAC	2HP	2HP	2HP		
Resistive	28VDC	30A	30A	30A	28VDC	20A

## WIRING DIAGRAMS

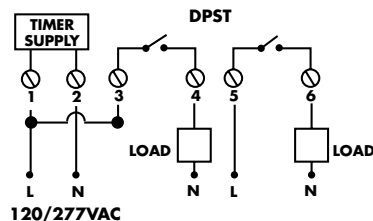
**E101B**



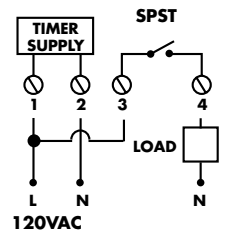
**E201B**



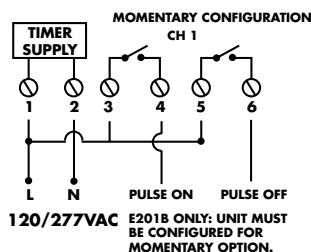
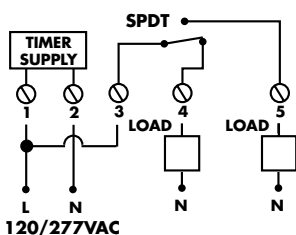
**E103B**



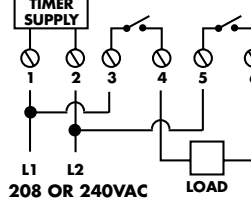
**E101PB**



**E120B**



**DPST**



## SPECIFICATION WRITER'S GUIDE

E100B only – 1. Furnish and install a TORK digital time switch with (40 Amp SPST contacts, model E101B,E201B) (40 Amp DPST contacts, model E103B) (30 Amp SPDT contacts, model E120B). 2. Unit shall be capable of 20 set points. 3. Unit shall repeat the same schedule each day. 4. (Model E201B ONLY) Unit shall be capable of being a 2 channel maintained or a 1 channel momentary 5. Unit shall have automatic Daylight Savings Time and Leap Year compensation. 6. Unit shall program in AM/PM format. 7. Unit shall have LCD display. 8. Unit shall have permanent schedule retention. 9. Unit real time clock shall be retained by super capacitor for 100 hours in a power failure. 10. Unit shall be capable of manual override ON or OFF either to the next scheduled event or permanently. 11. Unit shall have a NEMA 3R Indoor/Outdoor plastic enclosure. 12. Unit shall have Load Status indication. 13. Unit shall have Power Failure indication. 14. To order specify TORK Model E101B (E103B) (E120B) (E201B).