DIGITAL
24 Hour Time Switch
Multipurpose Control
E & E-PB Series



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.
- **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:**
  - E Series: 120-277VAC, 50/60Hz (automatic detection)
  - E-PB Series: 120VAC, 50/60Hz
- **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).

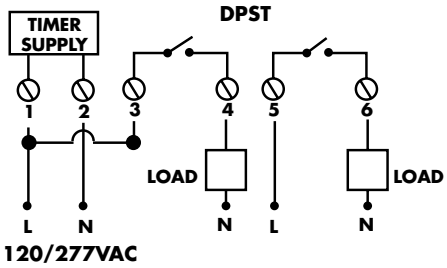
WIRING DIAGRAMS
- See Pages 377-388 For Diagrams.

HOW TO

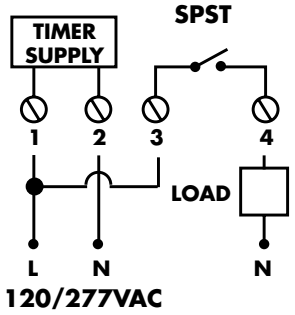
CAT. NO.	UPC CODE	INPUT SUPPLY (VAC) 50/60Hz	NO. OF CHANNELS	DRY CONTACTS (UNPOWERED)
E101B	82401	120-277	1	SPST
E103B	82411	120-277	1	DPST
E120B	82406	120-277	1	SPDT
E201B	82466	120-277	2	SPST
E101PB	82461	120	1	SPST

TYPE	E101B, E103B, E201B VOLTAGE (VAC)	E101B, E103B, E201B RATING NO	E120B RATING NO	E120B RATING NC	E101PB VOLTAGE (VAC)	E101PB RATING NO
General Purpose	120-277	40A	30A	30A	120/240	30A
					277	12A
Inductive	120-277	40A	30A	30A	120/240	30A
					277	12A
Ballast	120	30A	30A	10A	120	20A
	208-277	20A	20A	10A	277	6A
Tungsten	120	15A	15A	2A	120	5A
Pilot Duty	120-277	720VA	720VA	720VA	120-240	470VA
					277	690VA
Motor	120	1HP	1HP	1HP	120	1HP
	208	1 1/2HP	1 1/2HP	1 1/2HP	240	2HP
	240-277	2HP	2HP	2HP	–	–
Resistive	28VDC	30A	30A	30A	28VDC	20A
Electronic Ballast (LED)	277	16A	16A	–	277	16A

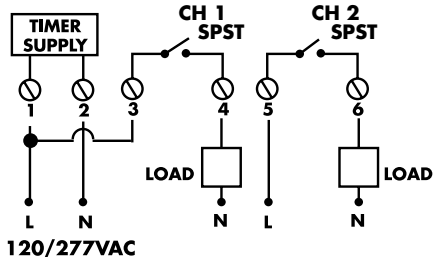
E103B (120/277VAC)



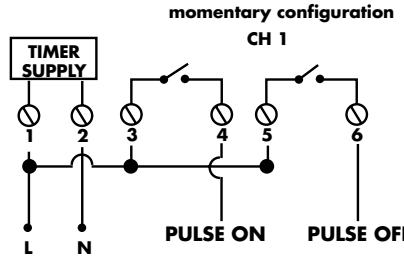
EW101B



EW201B

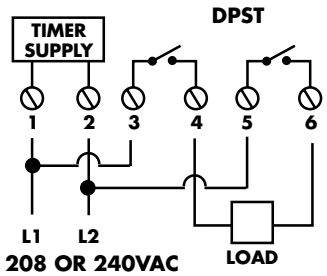


momentary configuration

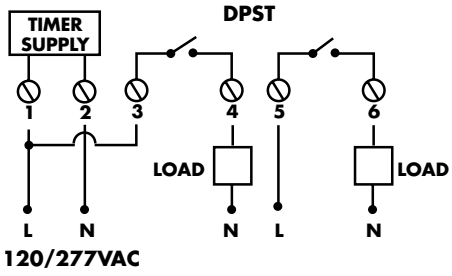


EW201B ONLY: UNIT MUST BE CONFIGURED FOR MOMENTARY OPTION

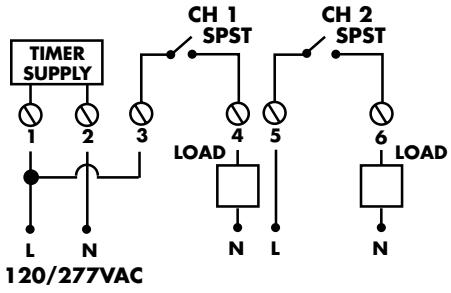
E103B (208/240VAC)



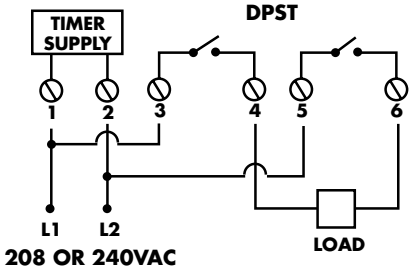
EW103B (120/277VAC)



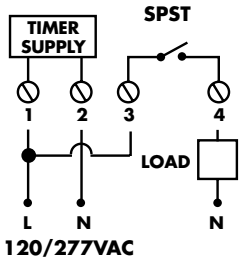
E201B



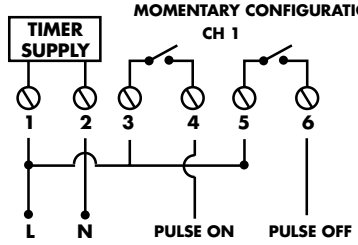
EW103B (208/240VAC)



EWZ101

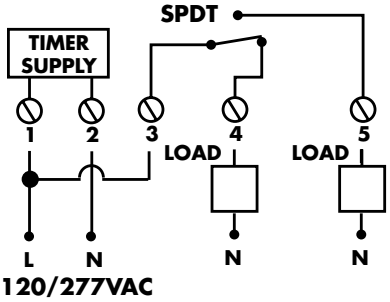


MOMENTARY CONFIGURATION

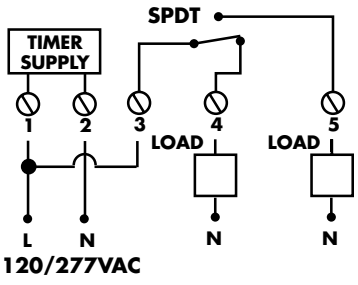


E201B ONLY: UNIT MUST BE CONFIGURED FOR MOMENTARY OPTION.

EW120B



EWZ120



DIGITAL
24 Hour Time Switch
Multipurpose Control
E & E-PB Series



APPLICATIONS
- Signs, air conditioning, lighting.
- Sump pumps, ventilating fans.

FEATURES
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- **Daylight Saving:** Automatic adjustment (can be omitted).
- **Leap Year:** Automatic Compensation.
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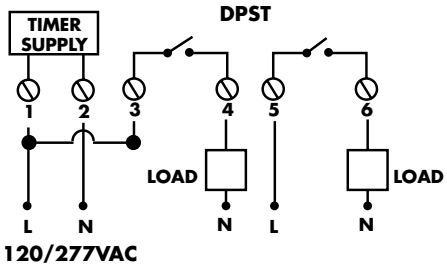
WIRING DIAGRAMS
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HOW TO

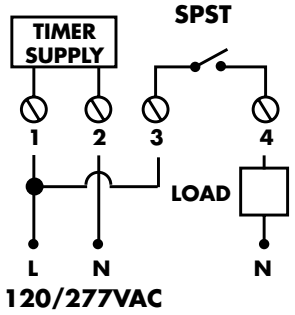
CAT. NO.	UPC CODE	INPUT SUPPLY (VAC) 50/60Hz	NO. OF CHANNELS	DRY CONTACTS (UNPOWERED)
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E103B	82411	120-277	1	DPST
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E201B	82466	120-277	2	SPST
E101PB	82461	120	1	SPST

TYPE	E101B, E103B, E201B VOLTAGE (VAC)	E101B, E103B, E201B RATING NO	E120B RATING NO	E120B RATING NC	E101PB VOLTAGE (VAC)	E101PB RATING NO
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					277	12A
Inductive	120-277	40A	30A	30A	120/240	30A
					277	12A
Ballast	120	30A	30A	10A	120	20A
	208-277	20A	20A	10A	277	6A
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	208	1 1/2HP	1 1/2HP	1 1/2HP	240	2HP
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Resistive	28VDC	30A	30A	30A	28VDC	20A
Electronic Ballast (LED)	277	16A	16A	–	277	16A

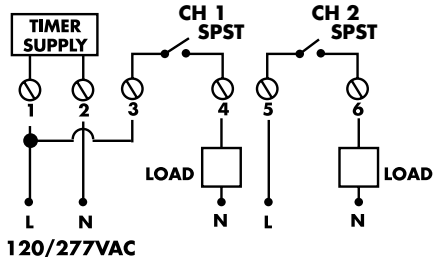
E103B (120/277VAC)



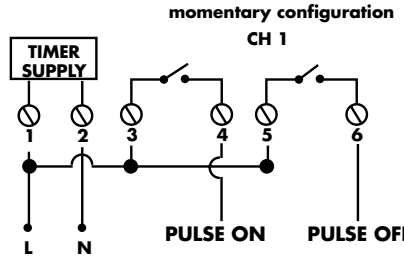
EW101B



EW201B

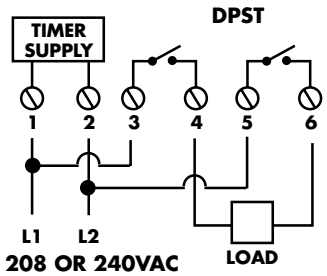


momentary configuration

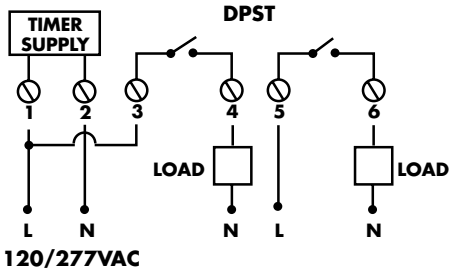


EW201B ONLY: UNIT MUST BE CONFIGURED FOR MOMENTARY OPTION

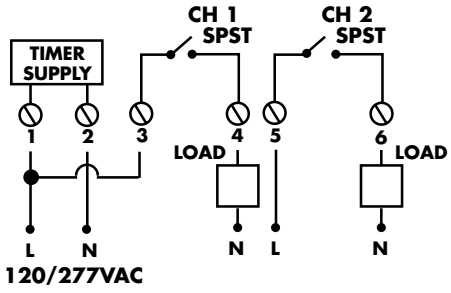
E103B (208/240VAC)



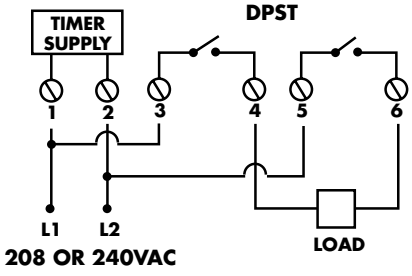
EW103B (120/277VAC)



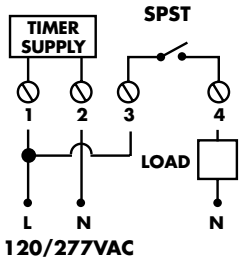
E201B



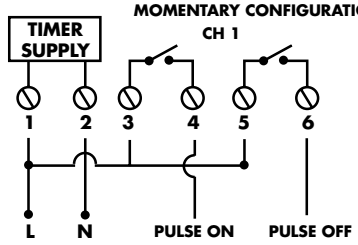
EW103B (208/240VAC)



EWZ101

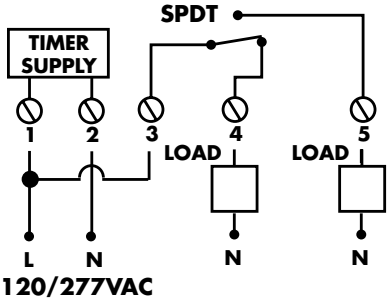


MOMENTARY CONFIGURATION



E201B ONLY: UNIT MUST BE CONFIGURED FOR MOMENTARY OPTION.

EW120B



EWZ120

