

E100B SERIES MULTIPURPOSE CONTROLS 1 CHANNEL

MULTI-VOLTAGE INPUT 120-277VAC
PATENTED 40 AMP CONTACTS
INDOOR/OUTDOOR ENCLOSURE STANDARD

APPLICATIONS:

24 HOUR

- Signs
- Lighting
- Air Conditioning
- Sump Pumps
- Ventilating Fans

7 DAY

- Outdoor Signs
- Display Lighting
- Security Systems
- Heating and Air Conditioning

FEATURES

DISPLAY: LCD

PROGRAMMING: Simple, with brief easy-to-follow instructions.

DAYLIGHT SAVING TIME: Automatic (can be changed or omitted)

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

CLOCK FORMAT: AM/PM

POWER OUTAGE BACKUP: Permanent Schedule Retention.

Supercapacitor maintains real time clock for 100 hours.



SUPERCAPACITOR BACKUP!

PERMANENT SCHEDULE RETENTION!

24 HOUR

Capable of same schedules each day of the week

ON & OFF SET POINTS: 20 per day,
minimum setting is one minute.

7 DAY

Capable of different schedules each day of the week

ON & OFF SET POINTS: 20 per day or week,
minimum setting is one minute.

**MEETS CALIFORNIA
ENERGY COMMISSION'S
TITLE 24 REQUIREMENTS**

**and
ASHRAE
90.1 1999**

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

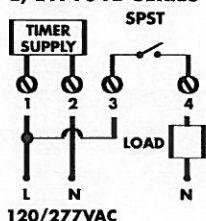
Bracket mounting – specify mechanism
only with bracket



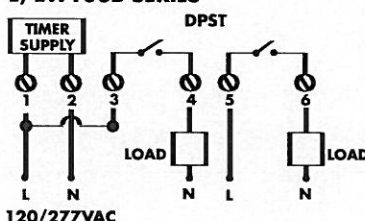
| TYPE | CATALOG NO | UPC CODE | DRY CONTACTS | SCHEDULING | SET POINTS | MIN SETTING |
|---------|------------|----------|--------------|---|------------|-------------|
| 24 HOUR | E101B | 82401 | SPST | SAME EVERYDAY | 20 | 1 MIN |
| | E103B | 82411 | DPST | SAME EVERYDAY | 20 | 1 MIN |
| | E120B | 82406 | SPDT | SAME EVERYDAY | 20 | 1 MIN |
| 7 DAY | EW101B | 82431 | SPST | capable of DIFFERENT SCHEDULES each day of the week | 20 | 1 MIN |
| | EW103B | 82441 | DPST | capable of DIFFERENT SCHEDULES each day of the week | 20 | 1 MIN |
| | EW120B | 82436 | SPDT | capable of DIFFERENT SCHEDULES each day of the week | 20 | 1 MIN |

WIRING DIAGRAMS

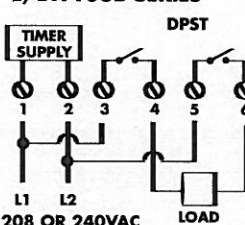
E, EW101B SERIES



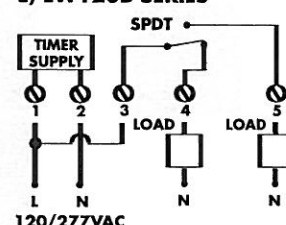
E, EW103B SERIES



E, EW103B SERIES



E, EW120B SERIES



SERIES E, EW 101B (SPST) SERIES E, EW 103B (DPST)

DRY CONTACT RATINGS

| LOAD TYPE | 120VAC | 208-277VAC |
|------------|----------------------|-------------------------------|
| Resistive | 40A | 40A |
| Inductive | 40A | 40A |
| Ballast | 30A | 20A |
| Tungsten | 15A | |
| Pilot Duty | 720VA | 720VA |
| Motor | 1HP | 1½HP@208VAC 2HP@240-277VAC |
| | 30A resistive @28VDC | |

SERIES E, EW 120B (SPDT)

DRY CONTACT RATINGS

| | 120VAC | | 208-277VAC | |
|------------|--------------------------------|-------|-------------------------------|-------|
| LOAD TYPE | NO | NC | NO | NC |
| Resistive | 30A | 30A | 30A | 30A |
| Inductive | 30A | 30A | 30A | 30A |
| Ballast | 30A | 10A | 20A | 10A |
| Tungsten | 15A | 2A | | |
| Pilot Duty | 720VA | 720VA | 720VA | 720VA |
| Motor | 1HP | 1HP | 1½HP@208VAC 2HP@240-277VAC | |
| | all NO/NC 30A resistive @28VDC | | | |

SPECIFICATION WRITER'S GUIDES

Series E100B

1. Furnish and install a TORK digital time switch with (40 Amp SPST contacts, model E101B) (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.
WRITE 4-9 AS BELOW

Series EW100B

1. Furnish and install a TORK digital time switch with (40 Amp SPST contacts, model EW101B) (40 Amp DPST contacts, model EW103B) (30 Amp SPDT contacts, model EW120B).
2. Unit shall be capable of 20 set points.
3. Unit shall be capable of a different schedule each day of the week.
WRITE 4-9 AS BELOW

APPLIES TO ALL MODELS:

4. Unit shall have automatic Daylight Savings Time and Leap Year compensation.
5. Unit shall program in AM/PM format.
6. Unit shall have LCD display.
7. Unit shall have permanent schedule retention.
8. Unit real time clock shall be retained by supercapacitor for 100 hours in a power failure.
9. Unit shall be capable of manual override ON or OFF either to the next scheduled event or permanently.
10. Unit shall have a NEMA 3R indoor/outdoor plastic enclosure.
11. Unit shall have Load Status indication.
12. Unit shall have Power Failure indication.