



Electronic Timer Control - Astronomic 7-Day 4-Circuit Electronic Control, 120-277 VAC, 4-SPST, Outdoor Metal Enclosure

Item ET8415CR



PRODUCT DESCRIPTION

The ET8415CR 4-circuit 7-day Astronomic time switch features independent 7-day programming to provide flexibility for applications where load switching differs each day of the week. This time switch provides to-the-minute programming, 28 ON/28 OFF (56 events) which can be applied to any combination of circuits and days, 100-hour Supercap backup for power loss, and automatic daylight saving time corrections without the need of user interaction. This time switch is housed in a lockable type 3R enclosure to protect from vandalism and unauthorized tampering.

FEATURES

- ▶ Auto-voltage operation from 120-277 VAC
- ▶ Up to 56 fixed events and 8 Astronomic events that can be combined
- ▶ Allows independent dusk/dawn settings for each circuit
- ▶ Temporary override or permanent manual override
- ▶ Automatic Daylight Saving Time adjustment
- ▶ Configurable outputs allow the control of various voltages and applications
- ▶ 100-hour supercapacitor eliminates the need for batteries

APPLICATIONS

- ▶ Outdoor Lighting Control
- ▶ Timing/Scheduling ON/OFF
- ▶ Machinery & Pump Controls

TECHNICAL DATA

| General | |
|--------------------------------|---|
| Model Number | ET8415CR |
| Description | Astronomic 7-Day 4-Circuit Electronic Control, 120-277 VAC, 4-SPST, Outdoor Metal Enclosure |
| UPC Code | 078275125544 |
| Brand | Intermatic |
| Country of Origin (Intermatic) | MEXICO |
| Warranty Period | 1-Year limited |

| Control Specifications | |
|-----------------------------|-------------------|
| Minimum ON/OFF Times | 1 min |
| Minimum Pulse Time | 2 sec |
| Maximum Pulse Time | 2 sec |
| Maximum ON/OFF Times | Indefinite |
| Maximum ON/OFF Operations | 56 |
| Setpoint Program Count | 56 |
| ON/OFF Operations | 56 |
| Operation Features | Astronomic |
| Operation Mode | 7 day |
| Daylight Savings Adjustment | Automatic |
| Backup Type | Supercapacitor |
| Battery Service Type | Field Serviceable |

Mechanical Specifications

Enclosure Type

Outdoor type 3R metal

| Dimensions | |
|-----------------------------------|-------------------------|
| Product Dimensions (H x W x D) in | 10.125 x 6.5 x 3.625 in |
| Wire Size Min | #14 AWG |
| Wire Size Max | #8 AWG |

| Load Ratings | |
|-------------------------------|---------------------------------|
| Magnetic Ballast Range(s) | 20 A, 120-277 VAC |
| Tungsten Range(s) | 5 A, 120-240 VAC |
| Resistive Load Ratings Ranges | 20 A, 28 VDC; 30 A, 120/240 VAC |
| Inductive Load Ratings Ranges | 30 A, 120/240 VAC |
| Motor Load Ratings Ranges | 1 HP, 120 VAC; 2 HP, 240 VAC |

| Electrical Specifications | |
|-------------------------------|-----------------------|
| Voltage Selection Type | Auto Voltage |
| Wiring Option | Terminals |
| Input Voltage Range(s) | 120-277 VAC, 50/60 Hz |
| Number of Circuits | 4 |
| Switch Type | 4xSPST; 2xDPST |
| Maximum Power Consumption (W) | 7 W |
| Electronic Series | ET8000 Series |

| Packaging | |
|---------------------------------------|---------------------|
| Shipping Weight (lbs) | 3.762 |
| Unit Carton Dimensions (H x W x L) in | 10.06 x 4 x 6.56 in |

| Environmental Specifications | |
|------------------------------|--------------------------------------|
| Temperature (operation) | -40 °F to 104 °F / (-40 °C to 40 °C) |

| Standards and Certifications | |
|--|----------|
| UL Certification | cULus |
| Other Certifications and Compatibilities | Title 20 |
| California Proposition 65 | Lead |

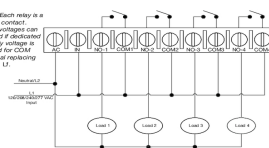
DRAWINGS AND DIAGRAMS

There are many different ways to set the relays on the CTM-600 Time Switch. The four ways can be used individually or in pairs of two. Refer to the table below for a complete list of ways to set the relays and illustrations for some of the common wiring installations.

| Possible switching configurations | | |
|-----------------------------------|---------|---------|
| REL-NO | REL-NO | REL-NO |
| REL-COM | REL-COM | REL-COM |
| REL-PS | REL-PS | REL-PS |

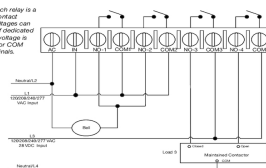
4x SPST
Operation Mode set to IND, input and output voltage are the same.

NOTE: Each relay is a dry contact.
Other voltages can be used if dedicated supply voltage is used for COM



2x Pulse
Operation mode set to PUL for both sets of contacts, each ON and OFF event for circuit 1 will ring the bell. Each ON event for Circuit 3 will close contactor and each OFF event will open contactor.

NOTE: Each relay is a dry contact. Other voltages can be used if dedicated supply voltage is used for COM terminals.



2x DPST
Operation Mode set to **DM** for both sets of contacts.
input and output voltage are the same.

NOTE: Each relay is a dry contact.
Other voltages can be used if dedicated supply voltage is used for COM

