Electronic Timer Control - Astronomic 365-Day 2-Circuit Electronic Control, 120-277 VAC, 50/60 Hz, 2-SPDT, Indoor Metal Enclosure, Ethernet Optional

Item ET90215C

PRODUCT DESCRIPTION

The ET90000 Series combines powerful and intuitive scheduling with truly maintenance-free convenience. The PC App and Mobile App provide real-time remote control, and the USB connection and Ethernet capabilities enable in-field updates.

FEATURES

- Automatic input voltage selection from 120 to 277 VAC, 50/60 Hz
- Over 2,000 events plus holiday schedules
- Advanced scheduling including relative events, such as fourth Thursday of November or first week of year
- 30 A rated contacts
- 100-hour supercapacitor eliminates the need for batteries
- USB connection for uploading, downloading and transferring programs
- Easy-to-follow on-screen menus for programming to-the-minute accuracy
- Non-volatile memory protects programming indefinitely
- Firmware can be upgraded in-field via USB or Ethernet
- Internally expandable, in 4-circuit increments, up to 16-circuits for 4, 8, and 12-circuit models
- PC App for easy scheduling or control, either remotely or through USB flash drive
- Mobile app for real time status and overrides

APPLICATIONS

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

TECHNICAL DATA

General	
Model Number	ET90215C
Description	Astronomic 365-Day 2-Circuit Electronic Control, 120-277 VAC, 50/60 Hz, 2-SPDT, Indoor Metal Enclosure, Ethernet Optional
UPC Code	078275124875
Brand	Intermatic
Country of Origin (Intermatic)	MEXICO
Warranty Period	3-Year limited

Control Specifications	
Minimum ON/OFF Times	1 Sec
Minimum Pulse Time	1 sec
Maximum Pulse Time	23 hours, 59 minutes
Maximum ON/OFF Times	365 days
Maximum ON/OFF Operations	2000
Setpoint Program Count	2000
ON/OFF Operations	2000
Operation Features	Astronomic; Holiday
Operation Mode	365-day
Data Transfer Options	Ethernet Optional/USB
Daylight Savings Adjustment	Automatic

Backup Restoration Time	30 Minutes
Backup Type	Supercapacitor
Backup Protection Time	100 Hour

Mechanical Specifications

Enclosure Type	Indoor type 1 metal

Dimensions

Product Dimensions (H x W x D) in	7.8 x 5.1 x 3 in
Wire Size Min	#20 AWG
Wire Size Max	#6 AWG

Load Ratings

Magnetic Ballast (NO) Range(s)	20 A, 120-277 VAC, 50/60 Hz
Magnetic Ballast (NC) Range(s)	3 A, 120-277 VAC, 50/60 Hz
Resistive (NO) Range(s)	20 A, 28 VDC; 30 A, 12-240 VAC, 50/60 Hz
Resistive (NC) Range(s)	10 A, 28 VDC; 10 A, 12-240 VAC, 50/60 Hz
Pilot Duty (NO) Range(s)	470 VA, 120-240 VAC, 50/60 Hz
Pilot Duty (NC) Range(s)	275 VA, 120-240 VAC, 50/60 Hz
General Purpose (NC) Range(s)	10 A, 12-240 VAC, 50/60 Hz
General Purpose (NO) Range(s)	30 A, 12-240 VAC, 50/60 Hz
Electronic Ballast Load Ratings NO Ranges	8 A, 120-277 VAC, 50/60 Hz
Tungsten (NO) Range(s)	5 A, 12-120 VAC, 50/60 Hz
Motor Load Ratings NC Ranges	1/4 HP, 120 VAC, 50/60 Hz; 1/2 HP, 240 VAC, 50/60 Hz
Motor Load Ratings NO Ranges	1 HP, 120 VAC, 50/60 Hz; 2 HP, 240 VAC, 50/60 Hz

Electrical Specifications

Voltage Selection Type	Auto Voltage
Wiring Option	Terminals
Input Voltage Range(s)	120-277 VAC, 50/60 Hz
Number of Circuits	2
Switch Type	2xSPDT
Maximum Power Consumption (W)	16 W
Electronic Series	ET90000 Series

Packaging

Shipping Weight (lbs)	3.642
Unit Carton Dimensions (H x W x L) in	9 x 4.38 x 11.38 in

Environmental Specifications

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

Standards and Certifications

UL Certification	cULus
CSA Certification	cCSAus
Other Certifications and Compatibilities	Title 20

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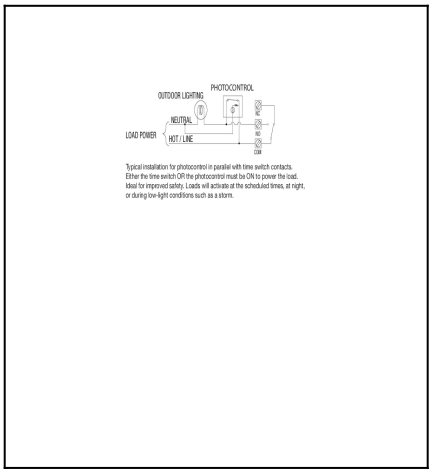
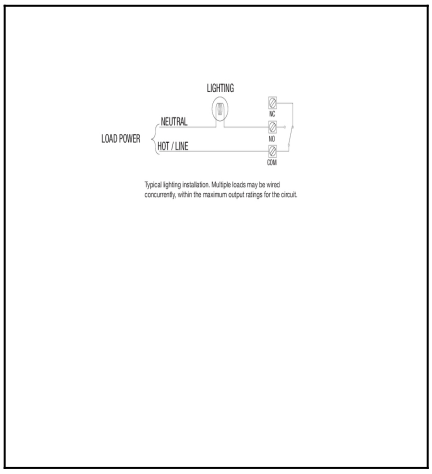
California Proposition 65	Lead

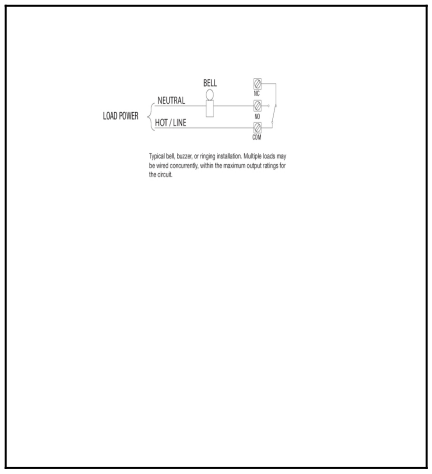
DRAWINGS AND DIAGRAMS



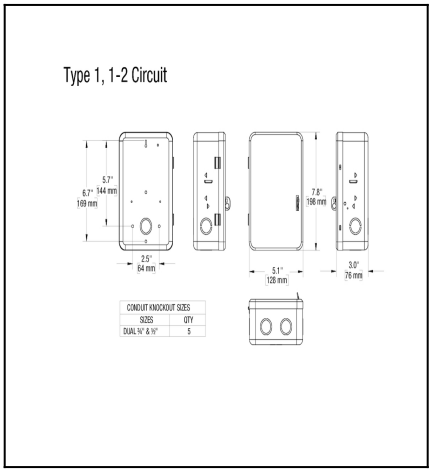
Typical installation for photocontrol in parallel with time switch contacts. Either the time switch OR the photocontrol must be ON to power the load. Ideal for improved safety. Loads will activate at the scheduled times, at night, or during low-light conditions such as a storm.



Typical lighting installation. Multiple loads may be wired concurrently, within the maximum output ratings for the circuit.



Typical bell, buzzer, or ringing installation. Multiple loads may be wired concurrently, within the maximum output ratings for the circuit.



ACCESSORIES

ET9232
Ethernet Module for ET90000 Upgrade or Replacement

ET-NF
RC Snubber Noise Filter 24-277VAC/DC for Electronic Controls