

Electronic Timer Control - Astronomic 7-Day/365 Day 4-Circuit Electronic Control, 120-277 VAC, 4-SPST/2-DPST, Outdoor Metal Enclosure

Item ET2845CR



PRODUCT DESCRIPTION

The ET2000 Series offers an easy-to-use interface, while still allowing to-the-minute scheduling capabilities for nearly any application. This series provides 50 holiday blocks with independent scheduling to ensure the loads are always in the proper ON/OFF state. This series also includes 96 ON/OFF events for even the most demanding schedules. The scheduling capabilities, configurable outputs, and a 100-hour backup without the need of batteries, make this series ideal for nearly any application. They come in standard 7-day astronomic versions.

FEATURES

- ▶ 100-hour supercapacitor eliminates the need for batteries
- ▶ Up to 96 set points or events
- ▶ Up to 50 holiday blocks with schedule capabilities
- ▶ Automatic input voltage selection from 120 to 277 VAC, 60 Hz
- ▶ Additional mode of operation turns the ON/OFF buttons into 2-hour overrides
- ▶ Configurable outputs allow the control of various voltages and applications
- ▶ Relays incorporate zero-crossing technology to extend the life of the control
- ▶ Non-volatile EEPROM memory protects programming indefinitely
- ▶ LED compatible
- ▶ USB port makes transferring and saving of schedules easy

APPLICATIONS

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

TECHNICAL DATA

General	
Model Number	ET2845CR
Description	Astronomic 7-Day/365 Day 4-Circuit Electronic Control, 120-277 VAC, 4-SPST/2-DPST, Outdoor Metal Enclosure
UPC Code	078275147744
Brand	Intermatic
Country of Origin (Intermatic)	MEXICO
Warranty Period	2-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	96
Setpoint Program Count	96
ON/OFF Operations	96
Operation Features	Astronomic; Holiday
Operation Mode	7 day
Daylight Savings Adjustment	Automatic
Backup Restoration Time	30 Minutes

Backup Type	Supercapacitor
Backup Protection Time	100 Hour
Application Compatibilities	LED

Mechanical Specifications

Enclosure Type	Outdoor type 3R metal
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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
Knockout Dimensions Bottom	(2) combination 1/2" - 3/4"
Knockout Dimensions Back	(1) combination 1/2" - 3/4"

Material Specifications

Color	Gray
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Communication Method

Has WiFi	No
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Load Ratings

Electronic Ballast LED	10 A
Magnetic Ballast (NO) Range(s)	20 A, 120-277 VAC
Resistive (NO) Range(s)	20 A, 28 VDC; 30 A, 120-240 VAC
Inductive Load Ratings NO Ranges	30 A, 120-240 VAC
Electronic Ballast Load Ratings NO Ranges	10 A, 120/277 VAC
Tungsten (NO) Range(s)	5 A, 120-277 VAC
Motor Load Ratings NO 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, 60 Hz
Number of Circuits	4
Switch Type	4xSPST, 2xDPST or Pulse
Maximum Power Consumption (W)	7 W
Electronic Series	ET2000 Series

Packaging

Shipping Weight (lbs)	3.3
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)
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Standards and Certifications

UL Certification	cULus
Other Certifications and Compatibilities	LED; Title 20; Green Energy +
California Proposition 65	Lead
RoHS Certification	X

ET Basic+ Series

365/24-Hour and 365/7-Day Electronic Controls



Convenient Scheduling, Seamless Integration

Simplify lighting and load schedules, reduce maintenance issues and boost energy efficiency with ET Basic+ Series Electronic Controls. The upgraded controls bring convenience and versatility to a wide range of indoor and outdoor applications and include enhanced features, such as a USB port for schedule backups or transfers. The series includes 24-hour, 7-day or 7-day Astronomic programming options.

ET Basic + Advantages

- **LED Compatibility** – Built to last, the ET Basic+ series includes zero-cross technology and a 10 A electronic ballast rating per circuit that supports LED lighting installations.
- **Enhanced Design** – Designed and manufactured in our state-of-the-art North American facility to ensure to highest performance and durability standards.
- **Holiday Scheduling** – Up to 50 Holiday or exception blocks can be used to increase energy savings or allow for unique scheduling periods.
- **Override Capability** – A built-in two-hour override allows users to quickly alter current schedules and accommodate unexpected occupant needs.
- **Comprehensive Programs** – ET Basic+ controls allow operators to set up to 48 ON/OFF events over a 7-day or 24-hour period, enough to meet even the most robust scheduling needs.
- **Automatic Voltage Detection** - Simplifies installation, no selector switch or jumpers needed for configuration.
- **Extended Warranty** – All ET Basic+ Series controls include a two-year limited warranty for added peace of mind.



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ET Basic Series

24-Hour/7-Day Electronic Controls



Simple Scheduling for Everyday Applications

Bring basic time scheduling to a variety indoor and outdoor applications with ET Basic Series Electronic Controls. The series offers 24-hour, 7-day or 7-day Astronomic programming options.

- **Multiple Schedule Formats** – 24-Hour and 7-day controls offered in 1-circuit and 2-circuit versions; 7-day astronomic controls offered in 1-circuit, 2-circuit and 4-circuit versions.
- **Basic Programming Options** – ET Basic controls allow operators to set up to 14 ON/OFF events over a 7-day or 24-hour period, typically enough to meet basic scheduling needs.



Scan to Learn More



Electronic controls for every need.

	ET Basic Series (ET1100, ET1700 and ET8000 Series)	ET Basic+ Series (ET2000 Series)
7-Day, 24-Hour and Astronomic Models	✓	✓
Holiday Scheduling		✓
Up to 48 ON/OFF Events		✓
Battery Backup	✓	
Supercapacitor Eliminates Need for Batteries		✓
LED Compatibility		✓
USB Port for Schedule backup or transfer		✓
Automatic Voltage Detection		✓
Extended Warranty		✓
Indoor/Outdoor Plastic Enclosures		✓
Type 3R Outdoor Metal Enclosures	*	✓

*ET8415CR is in a Type 3R Outdoor Metal Enclosure

Contact your Intermatic sales representative today for more information on the ET Basic+ and ET Basic Series Electronic Controls.

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Model #	# Circuits	Auto-Voltage	Voltage	Switch Rating	Switch Type	Pulse	Holidays	USB Port	LED Compatible	Enclosure	Auto DST Adj.	# Set Points	Backup	Warranty	Ethernet Port	Two-Hour Override	Remote Override
24-Hour or 24-Hour/365-Day Scheduling Selection																	
ET1105C	1	No	120-277 VAC, 50/60 Hz	30 A	SPST	No	0	No	Yes (1 A Per CIR)	Indoor type 1 metal	Yes	28	3-Year Battery	1-Year limited	No	No	No
ET2105C	1	Yes	120-277 VAC, 60 Hz	30 A	SPST	No	50	Yes	Yes (10 A Per CIR)	Indoor type 1 metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2105CP	1	Yes	120-277 VAC, 60 Hz	30 A	SPST	No	50	Yes	Yes (10 A Per CIR)	Indoor/outdoor type 3R plastic with see-through door	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2105CR	1	Yes	120-277 VAC, 60 Hz	30 A	SPST	No	50	Yes	Yes (10 A Per CIR)	Outdoor type 3R metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2115C	1	Yes	120-277 VAC, 60 Hz	30 A	SPDT	No	50	Yes	Yes (10 A Per CIR)	Indoor type 1 metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2115CP	1	Yes	120-277 VAC, 60 Hz	30 A	SPDT	No	50	Yes	Yes (10 A Per CIR)	Indoor/outdoor type 3R plastic with see-through door	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2115CR	1	Yes	120-277 VAC, 60 Hz	30 A	SPDT	No	50	Yes	Yes (10 A Per CIR)	Outdoor type 3R metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET1125C	2	No	120-277 VAC, 50/60 Hz	30 A	2xSPST, 1xDPST, Pulse	Yes	0	No	Yes (1 A Per CIR)	Indoor type 1 metal	Yes	28	3-Year Battery	1-Year limited	No	No	No
ET2125C	2	Yes	120-277 VAC, 60 Hz	30 A	2xSPST, 1xDPST, Pulse	Yes	50	Yes	Yes (10 A Per CIR)	Indoor type 1 metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2125CP	2	Yes	120-277 VAC, 50/60 Hz	30 A	2xSPST, 1xDPST, Pulse	Yes	50	Yes	Yes (10 A Per CIR)	Indoor/outdoor type 3R plastic with see-through door	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2125CR	2	Yes	120-277 VAC, 50/60 Hz	30 A	2xSPST, 1xDPST, Pulse	Yes	50	Yes	Yes (10 A Per CIR)	Outdoor type 3R metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2145C	4	Yes	120-277 VAC, 60 Hz	30 A	4xSPST, 2xDPST Pulse	Yes	50	Yes	Yes (10 A Per CIR)	Indoor type 1 metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2145CP	4	Yes	120-277 VAC, 60 Hz	30 A	4xSPST, 2xDPST Pulse	Yes	50	Yes	Yes (10 A Per CIR)	Indoor/outdoor type 3R plastic with see-through door	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2145CR	4	Yes	120-277 VAC, 60 Hz	30 A	4xSPST, 2xDPST Pulse	Yes	50	Yes	Yes (10 A Per CIR)	Outdoor type 3R metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
7-Day or 7/365-Day Scheduling Selection																	
ET1705C	1	No	120-277 VAC, 50/60 Hz	30 A	SPST	No	0	No	Yes (1 A Per CIR)	Indoor type 1 metal	Yes	28	3-Year Battery	1-Year limited	No	No	No
ET2705C	1	Yes	120-277 VAC, 60 Hz	30 A	SPST	No	50	Yes	Yes (10 A Per CIR)	Indoor type 1 metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2705CP	1	Yes	120-277 VAC, 60 Hz	30 A	SPST	No	50	Yes	Yes (10 A Per CIR)	Indoor/outdoor type 3R plastic with see-through door	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2705CR	1	Yes	120-277 VAC, 60 Hz	30 A	SPST	No	50	Yes	Yes (10 A Per CIR)	Outdoor type 3R metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2715C	1	Yes	120-277 VAC, 60 Hz	30 A	SPDT	No	50	Yes	Yes (10 A Per CIR)	Indoor type 1 metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2715CP	1	Yes	120-277 VAC, 60 Hz	30 A	SPDT	No	50	Yes	Yes (10 A Per CIR)	Indoor/outdoor type 3R plastic with see-through door	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2715CR	1	Yes	120-277 VAC, 60 Hz	30 A	SPDT	No	50	Yes	Yes (10 A Per CIR)	Outdoor type 3R metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET1725C	2	No	120-277 VAC, 50/60 Hz	30 A	2xSPST, 1xDPST, Pulse	Yes	0	No	Yes (1 A Per CIR)	Indoor type 1 metal	Yes	28	3-Year Battery	1-Year limited	No	Yes	No
ET2725C	2	Yes	120-277 VAC, 60 Hz	30 A	2xSPST, 1xDPST, Pulse	Yes	50	Yes	Yes (10 A Per CIR)	Indoor type 1 metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2725CP	2	Yes	120-277 VAC, 60 Hz	30 A	2xSPST, 1xDPST, Pulse	Yes	50	Yes	Yes (10 A Per CIR)	Indoor/outdoor type 3R plastic with see-through door	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2725CR	2	Yes	120-277 VAC, 60 Hz	30 A	2xSPST, 1xDPST, Pulse	Yes	50	Yes	Yes (10 A Per CIR)	Outdoor type 3R metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2745C	4	Yes	120-277 VAC, 60 Hz	30 A	4xSPST, 2xDPST Pulse	Yes	50	Yes	Yes (10 A Per CIR)	Indoor type 1 metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2745CP	4	Yes	120-277 VAC, 60 Hz	30 A	4xSPST, 2xDPST Pulse	Yes	50	Yes	Yes (10 A Per CIR)	Indoor/outdoor type 3R plastic with see-through door	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2745CR	4	Yes	120-277 VAC, 60 Hz	30 A	4xSPST, 2xDPST Pulse	Yes	50	Yes	Yes (10 A Per CIR)	Outdoor type 3R metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No

Electronic Controls

Reference Guide

Model #	# Circuits	Auto-Voltage	Voltage	Switch Rating	Switch Type	Pulse	Holidays	USB Port	LED Compatible	Enclosure	Auto DST Adj.	# Set Points	Backup	Warranty	Ethernet Port	Two-Hour Override	Remote Override
7-Day or 7/365-Day Scheduling with Astronomic Feature Selection																	
ET8015C	1	No	120-277 VAC, 50/60 Hz	30 A	SPST	No	0	No	Yes (1 A Per CIR)	Indoor type 1 metal	Yes	28	3-Year Battery	1-Year limited	No	No	No
ET2805C	1	Yes	120-277 VAC, 60 Hz	30 A	SPST	No	50	Yes	Yes (10 A Per CIR)	Indoor type 1 metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2805CP	1	Yes	120-277 VAC, 60 Hz	30 A	SPST	No	50	Yes	Yes (10 A Per CIR)	Indoor/outdoor type 3R plastic with see-through door	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2805CR	1	Yes	120-277 VAC, 60 Hz	30 A	SPST	No	50	Yes	Yes (10 A Per CIR)	Outdoor type 3R metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2815C	1	Yes	120-277 VAC, 60 Hz	30 A	SPDT	No	50	Yes	Yes (10 A Per CIR)	Indoor type 1 metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2815CP	1	Yes	120-277 VAC, 60 Hz	30 A	SPDT	No	50	Yes	Yes (10 A Per CIR)	Indoor/outdoor type 3R plastic with see-through door	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2815CR	1	Yes	120-277 VAC, 60 Hz	30 A	SPDT	No	50	Yes	Yes (10 A Per CIR)	Outdoor type 3R metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET8215C	2	No	120-277 VAC, 50/60 Hz	30 A	2xSPST, 1xDPST, or Pulse	Yes	0	No	Yes (1 A Per CIR)	Indoor type 1 metal	Yes	28	3-Year Battery	1-Year limited	No	No	No
ET2825C	2	Yes	120-277 VAC, 60 Hz	30 A	2xSPST, 1xDPST, or Pulse	Yes	50	Yes	Yes (10 A Per CIR)	Indoor type 1 metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2825CP	2	Yes	120-277 VAC, 60 Hz	30 A	2xSPST, 1xDPST, or Pulse	Yes	50	Yes	Yes (10 A Per CIR)	Indoor/outdoor type 3R plastic with see-through door	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2825CR	2	Yes	120-277 VAC, 60 Hz	30 A	2xSPST, 1xDPST, or Pulse	Yes	50	Yes	Yes (10 A Per CIR)	Outdoor type 3R metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2845C	4	Yes	120-277 VAC, 60 Hz	30 A	4xSPST, 2xDPST, or Pulse	Yes	50	Yes	Yes (10 A Per CIR)	Indoor type 1 metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET2845CP	4	Yes	120-277 VAC, 60 Hz	30 A	4xSPST, 2xDPST, or Pulse	Yes	50	Yes	Yes (10 A Per CIR)	Indoor/outdoor type 3R plastic with see-through door	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
ET8415CR	4	Yes	120-277 VAC, 50/60 Hz	30 A	4xSPST, 2xDPST	No	0	No	No	Outdoor type 3R metal	Yes	28	100-Hour Supercap	1-Year limited	No	No	No
ET2845CR	4	Yes	120-277 VAC, 60 Hz	30 A	4xSPST, 2xDPST, or Pulse	Yes	50	Yes	Yes (10 A Per CIR)	Outdoor type 3R metal	Yes	96	100-Hour Supercap	2-Year limited	No	Yes	No
365-Day Scheduling with Astronomic Feature Selection																	
ET90115C	1	Yes	120-277 VAC, 50/60 Hz	30 A	SPDT	Yes	99	Yes	8 A	Indoor type 1 metal	Yes	2,000	100-Hour Supercap	3-Year limited	Yes	Yes	Yes
ET90115CE	1	Yes	120-277 VAC, 50/60 Hz	30 A	SPDT	Yes	99	Yes	8 A	Indoor type 1 metal	Yes	2,000	100-Hour Supercap	3-Year limited	Yes	Yes	Yes
ET90115CR	1	Yes	120-277 VAC, 50/60 Hz	30 A	SPDT	Yes	99	Yes	8 A	Outdoor type 3R metal	Yes	2,000	100-Hour Supercap	3-Year limited	Yes	Yes	Yes
ET90115CRE	1	Yes	120-277 VAC, 50/60 Hz	30 A	SPDT	Yes	99	Yes	8 A	Outdoor type 3R metal	Yes	2,000	100-Hour Supercap	3-Year limited	Yes	Yes	Yes
ET90215C	2	Yes	120-277 VAC, 50/60 Hz	30 A	2xSPDT	Yes	99	Yes	8 A	Indoor type 1 metal	Yes	2,000	100-Hour Supercap	3-Year limited	Yes	Yes	Yes
ET90215CE	2	Yes	120-277 VAC, 50/60 Hz	30 A	2xSPDT	Yes	99	Yes	8 A	Indoor type 1 metal	Yes	2,000	100-Hour Supercap	3-Year limited	Yes	Yes	Yes
ET90215CR	2	Yes	120-277 VAC, 50/60 Hz	30 A	2xSPDT	Yes	99	Yes	8 A	Outdoor type 3R metal	Yes	2,000	100-Hour Supercap	3-Year limited	Yes	Yes	Yes
ET90215CRE	2	Yes	120-277 VAC, 50/60 Hz	30 A	2xSPDT	Yes	99	Yes	8 A	Outdoor type 3R metal	Yes	2,000	100-Hour Supercap	3-Year limited	Yes	Yes	Yes
ET90415CR	4	Yes	120-277 VAC, 50/60 Hz	30 A	4xSPDT, 2xDPDT	Yes	99	Yes	8 A	Outdoor type 3R metal	Yes	2,000	100-Hour Supercap	3-Year limited	Yes	Yes	Yes
ET90815CR	8	Yes	120-277 VAC, 50/60 Hz	30 A	8xSPDT, 4xDPDT	Yes	99	Yes	8 A	Outdoor type 3R metal	Yes	2,000	100-Hour Supercap	3-Year limited	Yes	Yes	Yes
ET91215CR	12	Yes	120-277 VAC, 50/60 Hz	30 A	12xSPDT, 6xDPDT	Yes	99	Yes	8 A	Outdoor type 3R metal	Yes	2,000	100-Hour Supercap	3-Year limited	Yes	Yes	Yes
ET91615CR	16	Yes	120-277 VAC, 50/60 Hz	30 A	16xSPDT, 8xDPDT	Yes	99	Yes	8 A	Outdoor type 3R metal	Yes	2,000	100-Hour Supercap	3-Year limited	Yes	Yes	Yes
365-Day Programmable Smart Wi-Fi Timer																	
ETW2CP	2	Yes	120-277 VAC, 50/60 Hz	30 A	SPDT	No	64	No	Yes (16 A Per CIR)	Outdoor type 3	Yes	256	10-Year Battery	3-Year limited	No	Yes	Yes
ETW3CP	3	Yes	120-277 VAC, 50/60 Hz	30 A	SPDT	No	64	No	Yes (16 A Per CIR)	Outdoor type 3	Yes	256	10-Year Battery	3-Year limited	No	Yes	Yes