

Electronic Timer Control - 24-Hour/365 Day 4-Circuit Electronic Control, 120-277 VAC, 4-SPST/2-DPST, Indoor Metal Enclosure

Item ET2145C



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 24-hour 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

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

TECHNICAL DATA

General	
Model Number	ET2145C
Description	24-Hour/365 Day 4-Circuit Electronic Control, 120-277 VAC, 4-SPST/2-DPST, Indoor Metal Enclosure
UPC Code	078275148055
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	Holiday
Operation Mode	24 hour
Daylight Savings Adjustment	Automatic
Backup Restoration Time	30 Minutes

Backup Type	Supercapacitor
Backup Protection Time	100 Hour
Application Compatibilities	LED

Mechanical Specifications

Enclosure Type	Indoor type 1 metal
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Dimensions

Product Dimensions (H x W x D) in	7.875 x 5.125 x 3.437 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

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)	2.75
Unit Carton Dimensions (H x W x L) in	8 x 3.15 x 5.236 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
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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