Intermatic Connect 365-Day Programmable Smart Wi-Fi Timer

MODELS: ETW2CP, ETW3CP
Installation and Setup Instructions

⚠ WARNING ***Risk of Fire or Electric Shock***

- *Disconnect power at the circuit breaker(s) or disconnect switch(es) before installing or servicing.*
- *More than one circuit breaker or disconnect switch may be required to de-energize the equipment before servicing.*
- *For plastic enclosures, bonding between conduit connections is not automatic and must be provided as part of the installation.*
- *Installation and/or wiring must be in accordance with National and Local Electrical Code requirements.*
- *Use #14-#8 AWG wires, rated at least 105° C - COPPER conductors ONLY.*
- *If the power disconnect point is out of sight, lock it in the OFF position and tag it to prevent unexpected application power.*
- *Make sure there is no wire insulation under the terminal plate on the time switch connector. Firmly tighten terminal screws.*
- *For outdoor locations or wet locations (rain-tight), conduit hubs that comply with requirements of the UL514B (standard for fitting conduit and outlet boxes) are to be used.*
- *Do NOT exceed maximum current carrying capacity.*
- *KEEP DOOR CLOSED AT ALL TIMES when not servicing.*

NOTICE

- *Do NOT touch circuit board components, contact can create a static discharge, which can damage these electronic components.*



ETW3CP

Description

Intermatic ETW2CP and ETW3CP Smart Timers offer a multi-purpose solution for indoor and outdoor load control applications. Available in a 2-circuit and 3-circuit configuration, these controls provide flexible 365-day, Astronomic, and Holiday programming options.

Once onboarded to a wireless network, the ETW2CP/ETW3CP can be controlled using the Intermatic Connect app, available via Google Play and the App Store. Units can be field configured for either single-pole or double-pole applications and be used for 120-277 VAC. The controls also include terminal locations for line voltage overrides.

Ratings

c UL us

Electrical Specifications	
Operating Voltage	120-277 VAC, 50/60 Hz
Remote Inputs	120-277 VAC, 50/60 Hz
Load Rating (Motor)	1 HP 120 VAC (NO) 2 HP 240 VAC (NO)
FLA	16 A FLA, 96 A LRA, Type 1C @ 120 VAC 50/60 Hz (NO) 15 A FLA, 96 A LRA, Type 1C @ 240 VAC 50/60 Hz (NO)
Power Consumption	7 W
Electronic Ballast	16 A per circuit (NO)
General Purpose Current Rating	30 A (NO) 10 A (NC) @ 55° C, 5 A (NC) @ 70° C
Impulse Voltage	4000 VAC
Overvoltage Category	III
Pollution Degree	3
Operating Temperature	-40º C to 70º C
Control Construction	Independently Mounted
Enclosure Type	Type 3 Indoor/Outdoor Enclosure
Dimensions H x W x D	7 1/2" x 8 7/8" x 3"

Federal Communications Commission (FCC) Notice for ETW Series Wi-Fi Timers

This device complies with part 15 of the FCC rules. Operation of this device is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and radiates radio frequency energy and, if not installed and used in accordance with instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference that requires the user to correct at his or her own expense.

Installation

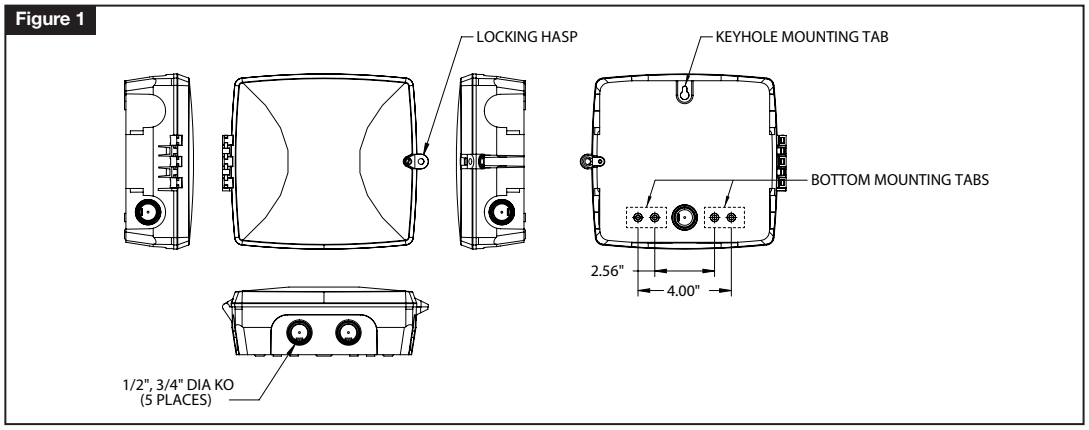
Follow these instructions to install the timer switch.

Note: Before installation, it is recommended to check your Wi-Fi signal strength at the desired location. A weak signal could create intermittent Wi-Fi connectivity issues. Also, ensure there is enough space for the enclosure door to swing fully open. Use hardware appropriate for the mounting surface (e.g., brick, concrete, or drywall). Hardware is not included.

1. Open the Smart Wi-Fi Timer enclosure door.
2. Choose and remove the selected ½" to ¾" combination knockout(s) from the enclosure.
3. Insert a screw at the desired height and hang the timer on the installed screw using the keyhole-shaped mounting tab on the back of the timer.
4. Mount the enclosure using hardware appropriate for the mounting surface (e.g., brick, concrete, drywall). (hardware not included) (Figure 1)

   Note: Separation plate included in product for class 2 connections. Must not be removed.

Figure 1



5. Use appropriately rated fittings for the installation.
6. Strip ½" off the supply and load wires. Use AWG #14 - #8 copper conductors rated at least 105° C. Torque 10.6 to 15.6 Lb-In.
7. Connect the wires to the proper terminals on the Wi-Fi timer and tighten the screws firmly (See wiring diagram figures A and B).
8. Close enclosure door.
9. Apply power to the time switch.
10. Install ¼" Padlock thru hasp to secure if desired. (lock not included)
11. Device configuration are done using the Intermatic Connect mobile app. (available via the App Store and Google Play)

Wiring Diagrams

Figure A: 3 Circuit - 3xSPDT or 1xDPDT + 1xSPDT, Circuit 1 and Circuit 2 can be paired for DPDT applications

Figure B: 2 Circuit - 2xSPDT or 1xDPDT, Circuit 1 and Circuit 2 can be paired for DPDT applications

Figure C: Example of wiring a photocontrol, occupancy/vacancy sensor, or a single pole switch requiring a neutral.

Figure A **120-277 VAC** (For 277 VAC see note #1)

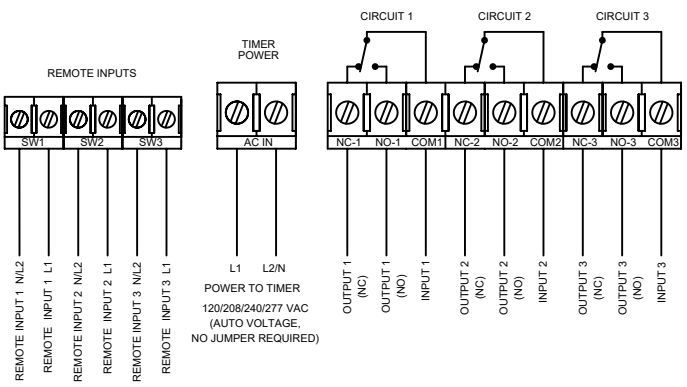


Figure B **120-277 VAC** (For 277 VAC see note #3)

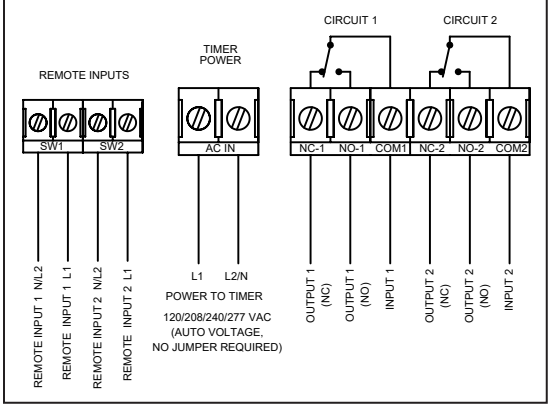
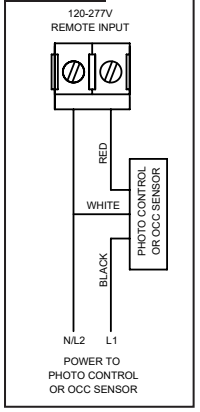


Figure C



Note 1: *If using 277 VAC for the remote input terminals, Inputs 1 and 3 or Input 2 alone may be used on model ETW3CP*

Note 2: *For DPDT operations Circuit 1 and Circuit 2 will be paired*

Note 3: *If using 277 VAC for the remote input terminals, Input 1 or Input 2 alone may be used on model ETW2CP*



Smart Timer Network LED Table

Color – State	Description
Off	Wi-Fi and Bluetooth not connected
Red - Solid	Ready for Wi-Fi and cloud operation but not currently connected
Red – Slow Blinking	System is updating
Blue - Solid	Mobile app is connected via Bluetooth® wireless
Blue - Fast Blinking	Mobile app is connected via Bluetooth® wireless and is communicating
Green - Solid	Device is Cloud connected
Green - Blinking	Cloud-enabled but currently offline

Smart Timer Mode LED Table

Mode (LED)	Description
Manual Mode (Yellow)	When power is applied to the device: the LED shall be ON for approximately 1-second. At which point, the LED will revert to its proper state. When the device is in Manual Mode this LED will be On. When the device is in one of the other modes, this LED will be Off.
Auto Mode (Green)	When the device is in Auto Mode with an active schedule running: the LED shall be On. When the device is in the other modes, this LED will be Off.
Service (Red)	When the device is in Service Mode, this LED will be On. When the device is in one of the other modes, this LED will be Off.
Yellow	Wink

Load LED Table

Circuits LED	Description
L1	When Circuit 1 Normally Open (NO) circuit is energized, LED L1 will be illuminated, when Circuit 1 Normally Closed (NC) Contact is energized, LED L1 will not be illuminated. [Override] If Circuit 1 is overridden, LED L1 will blink at a rate 1 second on and 1 second off for the duration of the override. Circuit 1 and 2 logically tied together: If Circuit 1 and Circuit 2 are configured to work in unison, LED L1 and L2 will be illuminated when both Circuits 1 and 2 Normally Open (NO) contacts are energized. If Circuits 1 and 2 Normally Closed (NC) contacts are energized, LED L1 and L2 will not be illuminated. [Override]. If Circuit 1 or Circuit 1 and 2 are logically tied together and is overridden (physical input 1, mobile or Voice UI), LED L1 and LED L2 will blink at a rate 1 second on and 1 second off for the duration of the override.
L2	When Circuit 2 Normally Open (NO) circuit is energized, LED L2 will be illuminated, when Circuit 2 Normally Closed (NC) Contact is energized, LED L2 will not be illuminated. [Override]. If Circuit 2 is configured to operate independently and is overridden (physical input 2, mobile or Voice UI), LED L3 will blink at a rate 1 second on and 1 second off for the duration of the override.
L3	When Circuit 3 Normally Open (NO) circuit is energized, LED L3 will be illuminated, when Circuit 3 Normally Closed (NC) Contact is energized, LED L3 will not be illuminated. [Override]. If Circuit 3 is overridden (physical input, mobile or Voice UI), LED L3 will blink at a rate 1 second on and 1 second off for the duration of the override.

Additional Information

Online Programming Schedule Guide

Scan this qr code to access the ETW2CP, ETW3CP Programming Schedule Guide

Intermatic Connect App

Scan this qr code to download the Intermatic Connect App via the App Store and Google Play

LIMITED WARRANTY

Warranty service is available by either (a) returning the product to the dealer from whom the unit was purchased or (b) completing a warranty claim online at www.Intermatic.com. This warranty is made by: Intermatic, Customer Service 1950 Innovation Way, Suite 300, Libertyville, IL 60048. For warranty service go to: http://www.Intermatic.com or call 815-675-7000.

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