

ET1725CPD82



ET8415CR

ET1100, ET1700, ET8000 Series

Basic Electronic Time Switches

This series offers an easy way to upgrade from a basic mechanical time switch to an electronic time switch. These timers will allow for up-to-the-minute programming, battery backup for power loss, up to 28 events total, and automatic daylight saving time corrections without the need of user interaction. They come in standard 24-hour, 7-day and 7-day astronomic versions.

Applications

• Interior Lighting • Exterior Lighting • Electric Pumps • Electric Motor Control
• Various Other Electrical Loads

Features

• Selector switch to determine input voltage between 120-277 VAC, 50/60 Hz
• Up to 28 events total
• To-the-minute accuracy
• Temporary override or permanent manual override
• Automatic Daylight Saving Time adjustment
• Astronomic models enable dusk-to-dawn scheduling

24-Hour Schedule

Model #	Enclosure
1-Circuit SPST Switch	
ET1105C	Indoor Type 1 Metal
ET1105CPD82	Outdoor Type 3R Plastic
1-Circuit SPDT Switch	
ET1115C	Indoor Type 1 Metal
ET1115CPD82	Outdoor Type 3R Plastic
2-Circuit SPST Switch	
ET1125C	Indoor Type 1 Metal
ET1125CPD82	Outdoor Type 3R Plastic

7-Day Schedule

Model #	Enclosure
1-Circuit SPST Switch	
ET1705C	Indoor Type 1 Metal
ET1705CPD82	Outdoor Type 3R Plastic
1-Circuit SPDT Switch	
ET1715C	Indoor Type 1 Metal
ET1715CPD82	Outdoor Type 3R Plastic
2-Circuit SPST Switch	
ET1725C	Indoor Type 1 Metal
ET1725CPD82	Outdoor Type 3R Plastic

7-Day Astronomic Schedule

Model #	Enclosure
1-Circuit SPST Switch	
ET8015C	Indoor Type 1 Metal
ET8015CPD82	Outdoor Type 3R Plastic
1-Circuit SPDT Switch	
ET8115C	Indoor Type 1 Metal
ET8115CPD82	Outdoor Type 3R Plastic
2-Circuit SPST Switch	
ET8215C	Indoor Type 1 Metal
ET8215CPD82	Outdoor Type 3R Plastic
4-Circuit SPST Switch	
ET8415CR*	Outdoor Type 3R Metal

Ratings SPST	
Input Voltage	120-277 VAC, 60 Hz
Switch Type	SPST
Resistive NO	20 A, 28 VDC; 30 A, 120/240 VAC, 60 Hz
Inductive NO	30 A, 120/240 VAC, 60 Hz
Magnetic Ballast NO	20 A, 120-277 VAC, 60 Hz
Tungsten NO	5 A, 120/240 VAC, 60 Hz
Motor NO	1 HP, 120 VAC, 60 Hz; 2 HP, 240 VAC, 60 Hz
Operating Temperature	-40° F to 104 ° F (-40° C to 40° C)
Wiring Terminals	#8 AWG
Min ON/Off Times	1 min
Max ON/Off Times	Indefinite
Warranty	1-year limited

Ratings SPDT	
Input Voltage	120-277 VAC, 60 Hz
Switch Type	SPDT
Resistive NO	20 A, 28 VDC; 20 A, 120-240 VAC, 60 Hz
Resistive NC	10 A, 28 VDC; 10 A, 120-240 VAC, 60 Hz
Inductive NO	20 A, 120-240 VAC, 60 Hz
Inductive NC	10 A, 120-240 VAC, 60 Hz
Magnetic Ballast NO	20 A, 120-277 VAC, 60 Hz
Magnetic Ballast NC	3 A, 120-277 VAC, 60 Hz
Motor NO	1 HP, 120 VAC, 60 Hz; 2 HP, 240 VAC, 60 Hz
Motor NC	¼ HP, 120 VAC, 60 Hz; ½ HP, 240 VAC, 60 Hz
Operating Temperature	-40° F to 104 ° F (-40° C to 40° C)
Wiring Terminals	#8 AWG
Min ON/OFF Times	1 min
Max ON/OFF Times	Indefinite
Warranty	1-year limited

Enclosure	
Enclosure Dimensions Indoor Type 1 Metal	Indoor Type 1 Metal, 7.875" x 5.125" x 3.4375" (200 mm x 130.2 mm x 87.3 mm)
Enclosure Dimensions Outdoor Type 3R Plastic	Outdoor Type 3R Plastic, 10" x 6.5" x 4" (254 mm x 165.1 mm x 101.6 mm)
Enclosure Dimensions Outdoor Type 3R Metal	Outdoor Type 3R Metal, 10.125" x 6.5" x 3.625" (257.2 mm x 165.1 mm x 92.1mm)
Knockout Dimensions	
Side/Back	(1) combination 1/2" - 3/4"
Bottom	(2) combination 1/2" - 3/4"

Note: The electronic mechanism snaps into the standard Intermatic enclosure for easy upgrading of mechanical mechanisms, if desired. For outdoor rated metal enclosures contact your Intermatic representative.

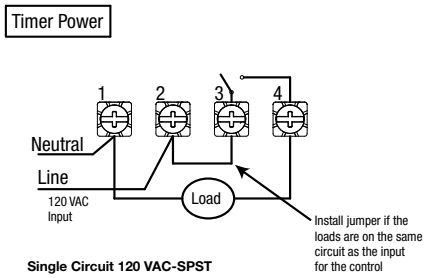
** ET8415CR is UL Listed and includes automatic voltage detection between 120-277 VAC, 50/60Hz.*

Selection Guide

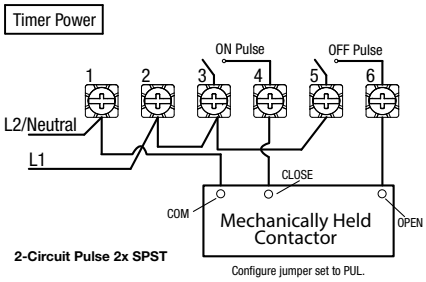
Scan the QR code for a side-by-side comparison of our electronic control features.

For enclosure line drawings and knockout locations, see pages 166, 167

ET1100, ET1700, ET8000 Series

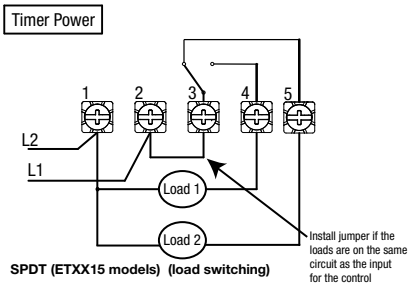


Single Circuit 120 VAC-SPST

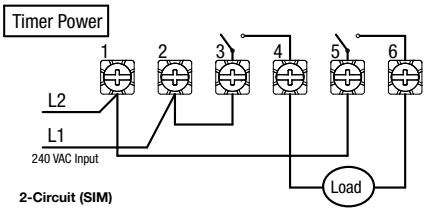


2-Circuit Pulse 2x SPST

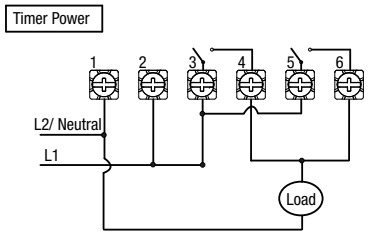
Configure jumper set to PUL.



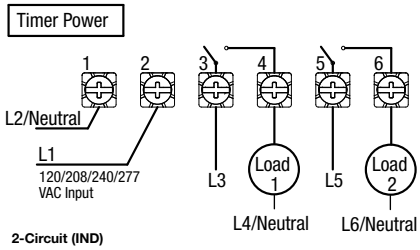
SPDT (ETXX15 models) (load switching)



2-Circuit (SIM)



2-Circuit (Per Bell Ringing)



2-Circuit (IND)

ET8415CR Wiring Diagrams

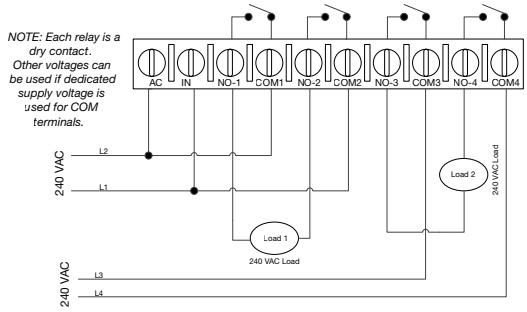
There are many different ways to set the relays on the ET8415CR Time Switch. The four relays can be used individually or in pairs of two. Refer to the table below for a complete list of ways to set the relays and illustrations for some of the common wiring installations.

Possible switching configurations		
IND/IND	SIM/IND	PUL/IND
IND/SIM	SIM/SIM	PUL/SIM
IND/PUL	SIM/PUL	PUL/PUL

Note:
IND= Independent SIM= Simultaneous PUL= Pulse

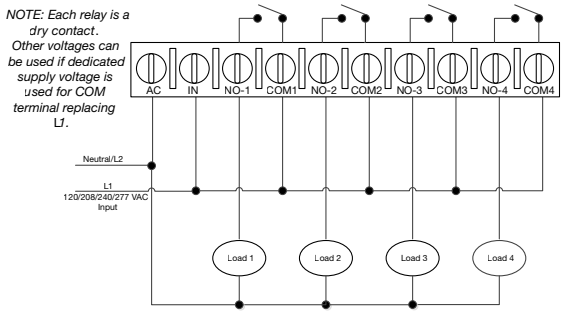
2x DPST

Operation Mode set to SIM for both sets of contacts, input and output voltage are the same.



4x SPST

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



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.

