

CX-247 Ver. 8

Programmable Timer

INSTALLATION INSTRUCTIONS



1. GENERAL DESCRIPTION

- 16 ON and OFF events
- May be programmed for individual days and/or 8 different weekday groups
- Minimum switching period one minute
- Easy to read LCD display
- Manual override button
- Battery back-up
- Optional "first-man-in" relay

2. SETTING THE CLOCK TIME

The timer has a 24 hours clock. Press and hold the CLOCK button. Then press on the DAY button to select the correct day, then the HOUR button to select the correct hour and the MIN button to select the correct minutes. When the MIN button is released the time will be set. The seconds will start from 00. Either holding down or repeatedly pressing the appropriate button will advance the days, hours and minutes.

3. PROGRAMMING THE SWITCHING TIMES

The Auto Time Switch has the capacity for 16 ON/OFF switches. By using the blocks of days available, you can save program capacity. The block days are:

1	MO	TU	WE	TH	FR	SA	SU
2	MO						
3		TU					
4			WE				
5				TH			
6					FR		
7						SA	
8							SU
9	MO	TU	WE	TH	FR		
10						SA	SU
11	MO	TU	WE	TH	FR	SA	
12	MO	TU	WE				
13				TH	FR	SA	
14	MO		WE		FR		
15		TU		TH		SA	

For each ON time and each OFF time, the days, hours and minutes must be set.

Press the TIMER button once to set the first ON time - you will see "on" and the number "1" appears on the left of the LCD display. This indicates that you can now enter the first ON time.

Press the DAY button to choose the required day or block of days, and then set the hour and minutes using the HOUR and MIN buttons.

When you have completed setting the required ON time, press the TIMER button to set the entry, and move onto the first OFF time. You will see "OFF" and the number "1" appear on the left of the LCD display. This indicates that you can now enter the first OFF time by using the DAY, HOUR and MIN buttons as above.

Programming the Timer #1

Functional description to buttons on panel

1. **TIMER:** Programs review & setting programs
2. **MANUAL:** To select "ON, AUTO or OFF"
3. **CLOCK:** To adjust current DAY and TIME
4. **DAY:** To adjust day of week
5. **HOUR:** To adjust Hour
6. **MIN:** To adjust minute
7. **ⓧ Reset:** Reset Timer's setting
8. **LED:** To indicate ON/OFF status

Press the TIMER button to validate this entry.

Repeat the same steps for the remaining 7 ON/OFF settings as required.

When you have set the required ON/OFF settings, press the CLOCK button to return the display to the clock.

The timer will now be ready to operate.

Note that you can check the settings you have programmed by pressing the TIMER button repeatedly - each setting will appear on the screen

Manual Override

You can choose permanent Manual 'ON' or permanent Manual 'OFF', however, the program settings will only operate when the unit is left in the 'Auto' mode.

Reset Button

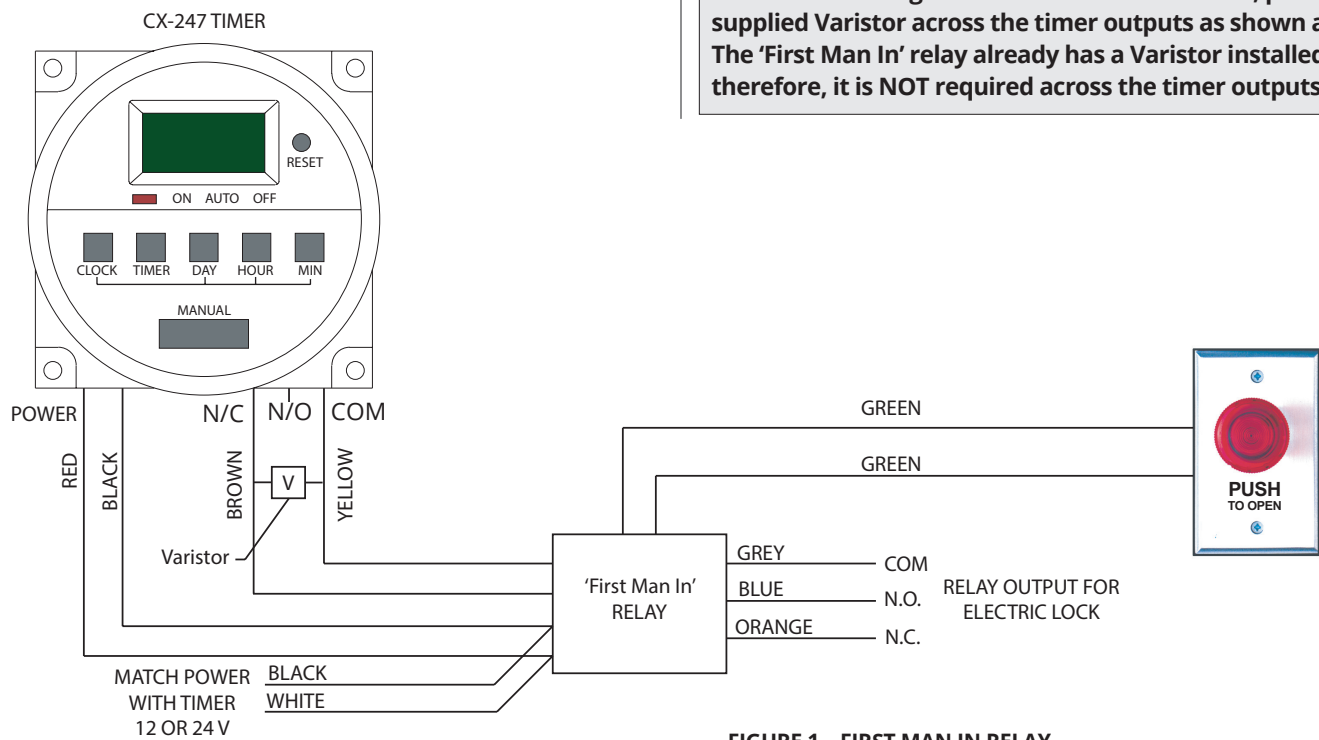
To reset the unit, including the time and programmed ON/ OFF settings, press the RESET button using a ballpoint pen.

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CAUTION! This electronic timer has a maximum loading printed on the rating label and under no circumstances should this be exceeded. Read the section on IMPORTANT SAFETY PRECAUTIONS

- Do not plug this timer into another timer switch
- Do not plug any device performing mechanical movement directly into the timer
- Do not exceed the maximum load (shown on the rating label on the product)
- Fan heaters and heaters with exposed elements should not be left unattended, and it is recommended that these types of appliances not be connected to timers
- Do not insert needles or any other metal objects into the main outlet
- Avoid moisture, extreme temperatures, shock and vibration
- Use indoors only. Recommended ambient temperature 14°F (-10°C) to 104°F (40°C).
- Do not open the timer. Repairs must only be performed by a Camden approved technician.
- To clean casing and display use a soft cloth. Do not use chemical or scouring agents.
- **Do not submerge in water.**



'First Man In' Relay

The 'First Man In' relay, is an option that provides additional security/ keeps the door locked during holidays, or if personnel do not make it on site (for example a snow day).

The CX-247, when set in auto mode, will unlock the door at the pre-programmed start time and re-lock the door at the pre-programmed end time (for example unlock Monday 8:00 am and re-lock Monday at 5:00 pm. But if Monday is a holiday, the door should remain locked, unless personnel are on site and wish the door to be open.

With the 'First Man In' option, the pre-programmed schedule does not engage until someone enters the premises and activates a switch/pushbutton. Now CX-247 follows its pre-programmed schedule. If no one enters, then the door remains locked. If someone enters and does not activate the switch/pushbutton, then the door remains locked and the schedule is not followed.

4. WARRANTY

Camden Door Controls Inc. guarantees the CX-247 to be free from manufacturing defects for 3 years from date of sale. Visit www.camdencontrols.com for more information regarding our warranty policy.

NOTE: If activating an electromechanical device, place the supplied Varistor across the timer outputs as shown above. The 'First Man In' relay already has a Varistor installed and therefore, it is NOT required across the timer outputs.

FIGURE 1 – FIRST MAN IN RELAY