

## Key Chain Transmitter



### Operation

The key chain transmitter may be configured to control a timer or to control a counter.

### Timer Operation

The key chain transmitter for the code Encryptor has 3 buttons.

- Start button. Press the large blue button to start the timer.
- Stop button. Press the small blue button to stop the timer.
- Reset button. Press and hold the small red button for at least 3 seconds to reset the timer to the preset value.

### Counter Operation

The key chain transmitter for the code Encryptor has 3 buttons.

- Increment button. Press the large blue button to increment the count.
- Decrement button. Press the small blue button to decrement the count.
- Reset button. Press and hold the small red button for at least 3 seconds to reset the counter to zero.

### To Add or Delete Remotes

#### To add a new remote

To add a remote to your Code Encryptor PRESS AND RELEASE the program button on the receiver. The light on the receiver will come ON. Immediately PRESS Button 1 (largest button) on the new remote control THREE

TIMES. The light on the receiver should go OFF, indicating the remote has been learned. If the light on the receiver stays ON, the remote has not been learned. Remove and replace the harness, and follow these instructions again.

#### To delete all remotes

To delete a lost or stolen remote from the Code Encryptor, you must purge the memory. This will delete all the current remotes in the non-volatile memory. You will then have to add ALL the remotes back into memory. To purge the memory, PRESS AND HOLD the program button, the light will come ON for four seconds, then go OFF, and finally it will go ON again indicating that all the remotes have been purged. Release the program button and follow the instructions above (To Add a New Remote).

### Troubleshooting for General Problems

#### Code encryptor does not seem to do anything when I press any remote button

1. Check power and ground.
2. Verify the remote is learned into the Code Encryptor's memory.
3. Ensure that the remote battery is good.

#### The code encryptor starts and stops the timer, but does not reset the timer.

4. Ensure you are holding Button 3 for approximately three seconds.

#### I can't seem to add more remotes to the code encryptor

5. Delete all remotes from memory and add remotes back in one at a time.

#### The remote does not seem to get very good range

6. Ensure the Code Encryptor is mounted as high as possible.
7. Do not mount the Code Encryptor inside a metal enclosure.
8. Extend the antenna, in a straight line, to the highest possible position. Do not coil or bundle the antenna.

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### Technical Information

#### Channel 3 Output (red button)

The Code Encryptor provides the ability to reconfigure Channel 3 to a variety of popular outputs using the onboard jumpers.

Output/jumper configuration is as follows:

Both jumpers in (default)	Momentary output
Jumper closest to the harness removed	Latching (on/off) output
Jumper farthest from the harness removed	75 second timed output
Both jumpers out	150 second timed output

Outputs 1 and 2 are dry contact closures. Output 3 is a 12VDC/500ma (-) transistor output.

### Federal Communications Commission (FCC) Statement

This equipment has been tested to FCC requirements and has been found acceptable for use. The FCC requires the following statement for your information.

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and been found to comply with the limits for a Class B computing device in accordance with the specifications in Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- If using an indoor antenna, have a quality outdoor antenna installed.
- Reorient the receiving antenna until interference is reduced or eliminated.
- Move the receiver away from the control/communicator.
- Move the antenna leads away from any wire runs to the control/communicator.
- Plug the control/communicator into a different outlet so that it and the receiver are on different branch circuits.

If necessary the user should consult the dealer or an experienced radio/television technician for additional suggestions.

The user or installer may find the following booklets prepared by the Federal Communications Commission helpful: "Interference Handbook". This booklet is available from the U.S. Government Office, Washington, DC 20402. The user shall not make any changes or modifications to the

equipment unless authorized by the installation instructions or User's Manual. Unauthorized changes or modifications could void the user's authority to operate the equipment.

### Canadian Department of Communications (DOC) Statement

NOTICE: The Canadian Department of Communications label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational and safety requirements. The Department does not guarantee the equipment will operate to the user's satisfaction. Before installing the equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. In some cases, the company's inside wiring associated with a single line individual service may be extended by means of certified connector assembly (telephone extension cord). The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designed by the supplier. Any repairs or alterations made by the user of this equipment, or equipment malfunctions may give the telecommunications company cause to request the user to disconnect the equipment.

User's should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important to rural areas.

CAUTION: User should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

The Load Number (LN) assigned to each terminal device denotes the percentage of the total load to be connected to a telephone loop which is used by the device, to prevent overloading. The termination on a loop may consist of any combination of devices subject only to the requirement that the total of the Load Numbers of all of the devices does not exceed 100.

### Specifications

#### Receiver

- Power: 12VDC input
- Frequency: 303MHz
- Standby power consumption: 15ma
- Temperature range: -5 to 160 deg F

#### Remote Control

- Range: 150+ feet
- Battery: 12VDC mini (GP23A) Replace battery at least once per year.