

### Programming Procedures

NOTE: Prior to programming, make sure the receiver's LED blinks red when power is applied. If the receiver's LED is not blinking red, disconnect then reconnect the power.

#### Programming transmitter(s) into the receiver's memory:

The receiver can learn up to 12 transmitters. Follow the steps below to program your receiver. Repeat steps 1-3 for each transmitter.

1. Press the receiver's programming button for less than 2 seconds and release. The LED should change from blinking red to solid green, indicating the receiver has entered its programming mode.
2. Activate and release the transmitter once and confirm that the receiver's LED changes to solid red. This indicates the receiver is learning the transmitter's code.
3. Wait a few seconds and then activate the transmitter a second time. The receiver's LED should now blink green several times indicating that it is ending its learning procedure. When the procedure has ended, the LED should be blinking red.

#### Programming the receiver's output activation time:

When the receiver is activated, its outputs will stay in the minimum activation state for approximately 1.5 seconds (default). This time can be

adjusted to stay in the activation state for up to 4 hours. Follow the steps below to adjust the receiver's output activation time.

1. Press the receiver's programming button for 4 seconds and release. The LED should be solid red. This indicates the receiver is in the activation time programming mode.
2. Activate and release the transmitter.
3. When the desired time has elapsed (up to 4 hours) activate the transmitter again. The receiver's LED should blink green several times indicating it is ending the procedure. When the procedure has ended, the LED should be blinking red.

#### Deleting all transmitters from the receiver's memory:

You can clear the receiver's memory of all previously learned transmitters by following the steps below. NOTE: Deleting previously learned transmitters does not change the receiver's output activation time.

1. Press the receiver's programming button for more than 8 seconds until the receiver's LED starts blinking green. Release the programming button. The LED should now be blinking red.
2. The receiver's memory is now cleared. To learn new transmitters, follow the steps for programming transmitters into the receiver's memory.

### Specifications

#### Transmitter

Frequency:  
433.92 MHz

Dimensions:  
1.25" x 0.875" x 0.25"

Security Code Method:  
Code Hopping

Battery Life:  
60,000 cycles

Certifications:  
FCC, Industry Canada, CE

Operating Temperature Range:  
-4°F to 122°F (-20°C to 55°C)

#### Receiver

Frequency:  
433.92 MHz

Dimensions:  
2.25" x 1.25" x 0.75"

Security Code Method  
Code Hopping  
Can learn up to 12 different transmitters

Operating Temperature Range:  
-4°F to 122°F (-20°C to 55°C)

Electrical Rating:  
100,000 cycles at 2 Amps at either 24 VDC or 120 VAC

Input Power:  
24 VAC, 24VDC or 12 VDC

Output:  
Two Relay Outputs: 1 NO 1 NC

Certifications:  
FCC, Industry Canada, CE

The receiver and transmitter comply with FCC part 15/15.231-2001, Industry Canada RSS-210-2003, EN55022A-2000, EN55024-2001, EN300-220-3 V1.1.1-2000, and EN301-489-1 V1.2.1-2000. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This product may be susceptible to local transmissions being generated near the transmitter's fundamental frequency. Testing has shown some susceptibility in a frequency range of 416-440 MHz.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful 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 interference by one or more of the following measures: (a) Reorient or relocate the receiving antenna. (b) Increase the separation between the equipment and receiver. (c) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected (d) Consult the dealer or an experienced radio/TV technician for help.

The user is cautioned that any internal modifications, either replacement of or modification of any component, of the transmitter or receiver could violate the rules of compliance and authority to operate the equipment.