

CHAMBERLAIN®

TRICODE® TCR1 SINGLE CHANNEL RECEIVER USED FOR TCR1 AND TCR2

SPECIFICATIONS

Output Rating: 5 Amps 28Vac/Vdc Max.

Power: 12Vdc or 18 to 34Vac/Vdc, @ 30ma

RF Frequency: 300 or 310 MHz

Accessory Transmitters: TC1, TC2 and TC4

The TriCode® digital receivers are designed for use with automatic garage/gate operators and access control systems. All TriCode® products may be matched with Linear/Delta-3™, Multi-Code™ and Stanley™ radio products which may already be installed.

The TriCode® radio format provides a potential of 1024 different digital codes. For Linear/Delta-3™ compatible products 256 different digital codes are available. The codes are set using 10-position DIP switch system.

⚠️ ⚠️ WARNING

To prevent possible SERIOUS INJURY or DEATH from electrocution:

- Be sure power is NOT connected BEFORE installing the receiver.

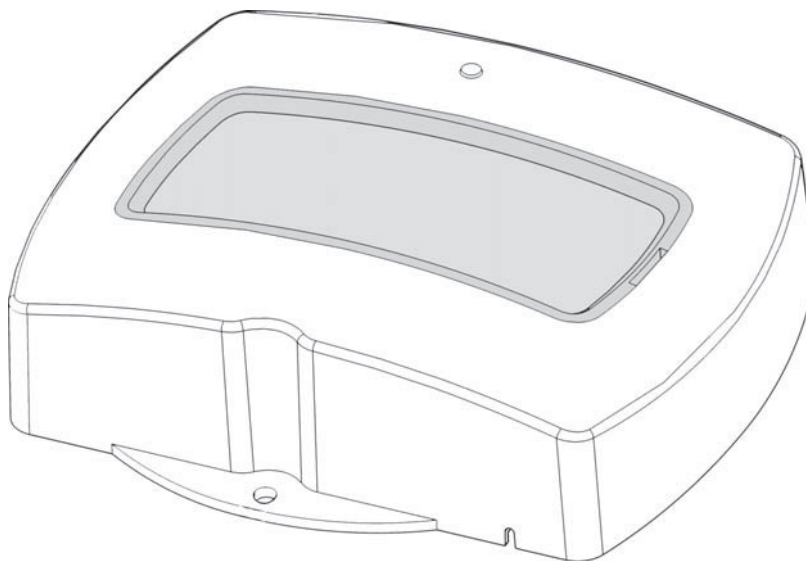
To prevent possible SERIOUS INJURY or DEATH from a moving gate or garage door:

- ALWAYS keep transmitters out of reach of children. NEVER permit children to operate or play with remote control transmitters.
- Activate gate or door ONLY when it can be seen clearly, is properly adjusted, and there are no obstructions to door travel.
- ALWAYS keep gate or garage door in sight until completely closed. NEVER permit anyone to cross path of moving gate or door.

NOTICE: To comply with FCC and or Industry Canada (IC) rules, adjustment or modifications of this receiver and/or transmitter are prohibited, except for changing the code setting or replacing the battery. THERE ARE NO OTHER USER SERVICEABLE PARTS.

Tested to Comply with FCC Standards FOR HOME OR OFFICE USE. 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.

U.S. Patent 6,915,146



For more information, please visit www.devancocanada.com or call toll free at 855-931-3334

POWER SWITCH SETTINGS

NOTE: To avoid the possibility of duplicating codes in adjacent systems, all transmitters and receivers should be re-coded prior to operation. Unless using maximum number of codes the following four codes should not be used:

- All DIP Switches ON
- All DIP Switches OFF
- DIP Switches alternating ON/OFF
- DIP Switches alternating OFF/ON

Receivers should be installed at least 5' apart to avoid cross-talk. After completing installation, operate transmitter outside of building to make certain the chosen DIP switch setting does not operate with nearby garage door operators and/or security systems. If so, select another DIP switch setting and check the coded signal again. Repeat as necessary.

RECEIVER MOUNTING

Mount receiver to wall using #6 hardware (not provided). Hardware used will depend on mounting application. Refer to Figure 1 for receiver mounting hole locations.

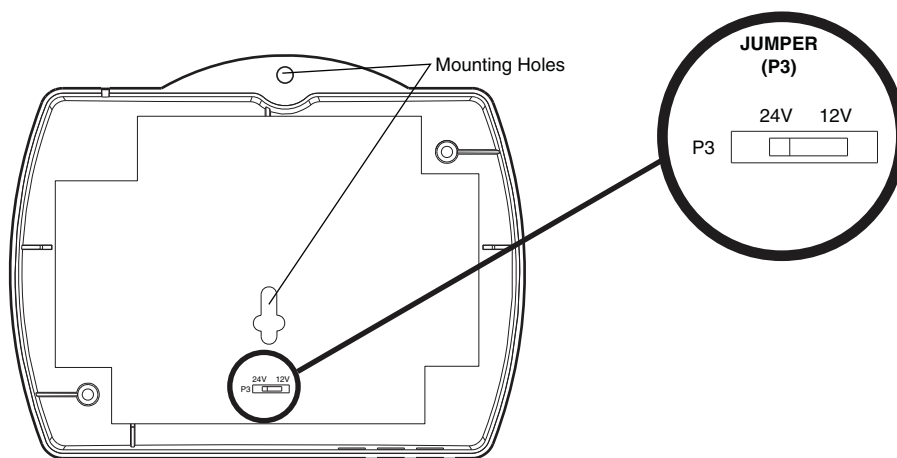
Power Supply Selection Setting

The TriCode® receiver is factory set for 24 volt power input if 12 volt is required.

Remove back cover of receiver by removing screws. Set jumper to the 12 volt setting (Figure 1).

Figure 1

Back View



OUTPUT RELAYS, CONFIGURATION & DIP SWITCH SETTINGS

Setting Output Relay Mode

The TriCode® receiver is factory set for momentary relay output “MNT”.

- **Momentary mode:** The output relay will be on for .5 seconds before turning off.
- **Constant pressure mode:** Output relay is continuously on while receiving matching/valid ID code from transmitter. The output relay will turn off immediately once receiver does not receive a matching/valid ID code from the transmitter (Figure 4).

NOTE: If constant pressure mode is desired, open front cover and move mode jumper from “MNT” to “CST” (Figure 2).

Setting the Configuration Switch

The TriCode® receiver is factory set for Linear/Delta-3™.

Locate the configuration switch and set it to the desired RF mode of operation (Figures 2 and 4). Modes are as follows:

Linear/Delta-3™: works with all “Linear/Delta-3™” transmitters transmitted at 310 MHz using 8-bits ID system.

Multi™: works with all “Multi-Code™” transmitters transmitted at 300 MHz using 10-bits ID system.

Stanley™: works with all “Stanley™ radio” transmitters transmitted at 310 MHz using 10-bits ID system.

Setting DIP Switch

The TriCode® receiver DIP switch CH1 is factory set OFF (1-10) and CH2 is factory set ON (1-10).

Locate the 10 position DIP Switch. If this is a new installation using TriCode® transmitters, randomly set switches matching those of the transmitters. Never use factory setting. If receiver is used with Linear/Delta-3™, Multi-Code™ or Stanley™ transmitters, match the receiver DIP Switch to the above transmitters. Some transmitters may use toggle switches and it may be difficult to determine ‘ON’ and ‘OFF’. If so, try reversing the setting on the TriCode® DIP Switch (Figures 3 and 4).

NOTE: In ‘LINEAR/DELTA-3™’ mode (8-bits system) the last 2 bits (DIP #9 & 10) settings are ignored. They can be left in either ‘ON’ or ‘OFF’ settings.

Figure 2



Figure 3

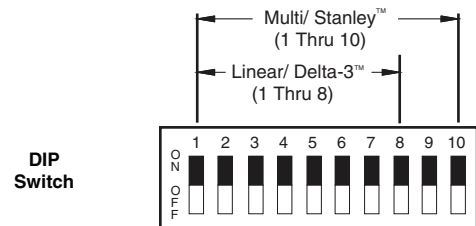
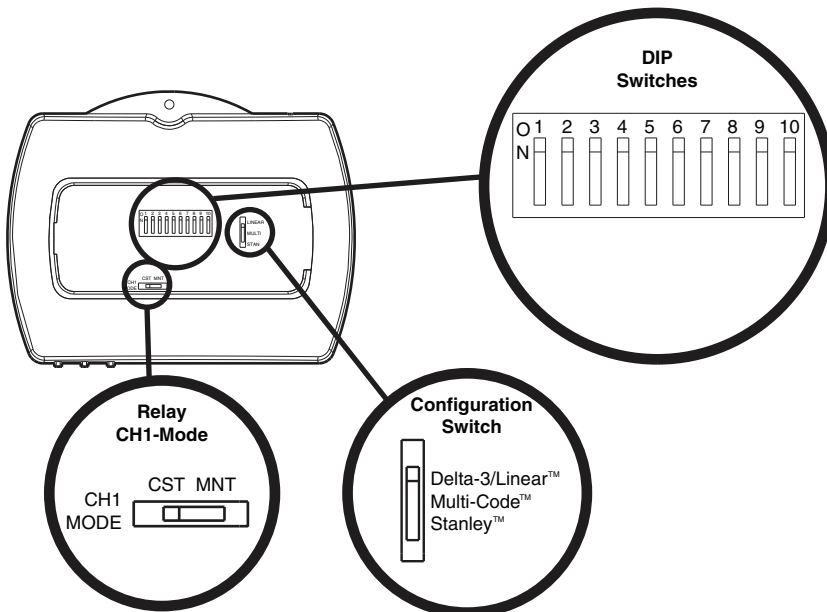


Figure 4



POWER CONNECTIONS

Power Supply Connections

The receiver is connected to the opener via external screw terminals labeled 1, 2 and 3 (Figure 5).

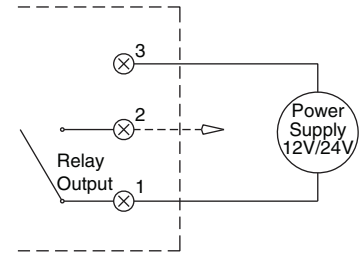
TERMINAL 1 = COMMON

TERMINAL 2 = OUTPUT RELAY

TERMINAL 3 = POWER INPUT

If the three terminals align with three matching terminals on the operator, use the piggyback clips for screw to screw attachment. If spacing is different or not marked, use the wiring diagram in Figure 5.

Figure 5



HOW TO ORDER REPAIR PARTS

DEVANCO CANADA

19192 HAY ROAD, UNIT Q
SUMMERSTOWN, ON K0C 2E0

TOLL FREE: 855-931-3334
www.devancocanada.com

**WHEN ORDERING REPAIR PARTS
PLEASE SUPPLY THE FOLLOWING INFORMATION:**

- ✓ PART NUMBER
- ✓ DESCRIPTION
- ✓ MODEL NUMBER