Thank you for purchasing the B&D Tri-Tran™ plug in two channel Receiver. Familiarise yourself with the following instructions prior to commencing set up. Store this information in a safe place for future reference. The B&D Tri-Tran™ receiver has transistors on board which provide an open collector contact for controlling virtually any electronic garage door or gate.

BRAND OF TRANSMITTERS

The first memory location sets the type of transmitters which can be stored into the receivers memory. It either can be B&D Tri-Tran™ or ATA TrioCode™ transmitters. For example if first transmitter stored is TrioCode™ then rest of transmitters can only be the TrioCode™ type and mixing of TrioCode™ and Tri-Tran™ is not possible. By deleting all stored transmitter codes from the receivers memory will allow you to choose either TrioCode™ or Tri-Tran™ transmitters again.

UNIVERSAL PROGRAMMER

A B&D Universal Programmer can be used to set timer (adjustable from 0.00 to 655.34 seconds), Edit, back up / restore transmitters.

STORING TRANSMITTER CODE

1. Press and hold SW1 (for channel 1) or SW2 (for channel 2) on the receiver board. The LED D1 will start to flash.
2. Press the transmitter button you would like to use to control the device for two seconds. The LED will start to flash faster.
3. Release the transmitter button and pause for two seconds. Press the same button again for two seconds. The LED will stay on for a second and then turns off.
4. Release SW button.
5. Press the transmitter button to test operation.

DELETING A SINGLE TRANSMITTER'S CODE

1. Press and hold SW1 (for channel 1) or SW2 (for channel 2) on the receiver board. The LED will start to flash.
2. Press the transmitter button you would like to remove from receivers memory for two seconds. The LED will start to flash faster.
3. Release the transmitter button and pause for two seconds. Press the same button again for two seconds. The LED will slowly flash two times.
4. Release SW button.
5. Press the transmitter button to confirm that it has been removed.
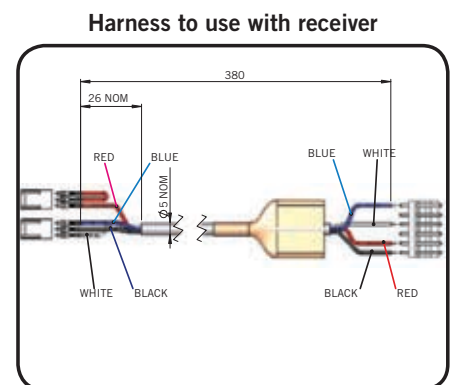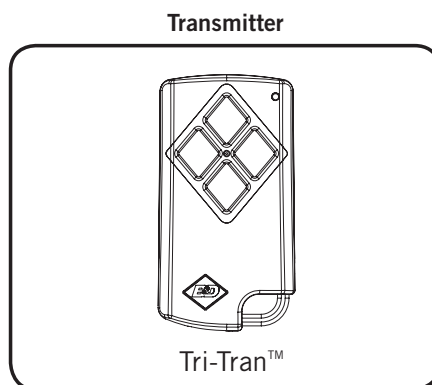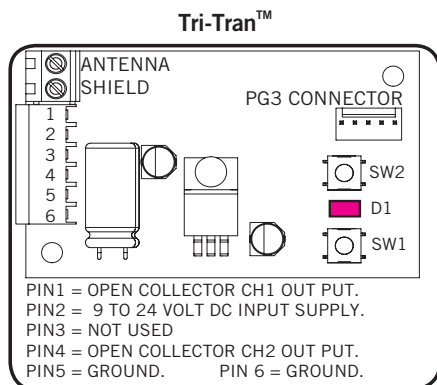
DELETING ALL STORED TRANSMITTER CODES

1. Turn the power off to the receiver.
2. Press and hold SW1 button.
3. While holding SW1 turn power on again. After 15 seconds the Coding LED will illuminate to indicate that the receivers memory has been cleared.
4. Release SW1. All the stored codes should now be deleted. Confirm this by pressing the transmitters previously used to operate the device. There should be no response.

COAXIAL CONNECTION

An optional coaxial antenna is available for use with the receiver in difficult reception areas. The antenna has to be mounted as high as possible so that it is not obstructed, e.g. on top of a fence, or on a wall at the front of a garage, etc. Connect the core of coaxial lead to replace the existing antenna wire (outer screw socket). Connect shield to the spare (inner) screw socket.

HARNESS

User may have to cut and strip wires to connect to different openers. Cut and leave white wire if the second channel is not used.

Tri-Tran™

ANTENNA SHIELD
PG3 CONNECTOR
1 2 3 4 5 6
SW2
D1
SW1

PIN1 = OPEN COLLECTOR CH1 OUT PUT.
PIN2 = 9 TO 24 VOLT DC INPUT SUPPLY.
PIN3 = NOT USED
PIN4 = OPEN COLLECTOR CH2 OUT PUT.
PIN5 = GROUND.   PIN 6 = GROUND.

Transmitter

Tri-Tran™

Harness to use with receiver

380
26 NOM
Ø5 NOM
RED   BLUE
WHITE   BLACK
BLUE   WHITE
BLACK   RED

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SPECIFICATIONS

Power Supply: 9 volts to 24 Volts DC ONLY
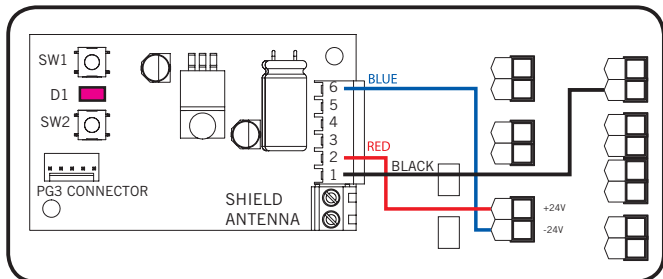Frequency: Multi frequency
Memory Capacity: 250 Transmitters
Control Output 1 : Open collector output at pin one for channel one (40 dc volts 100ma max)
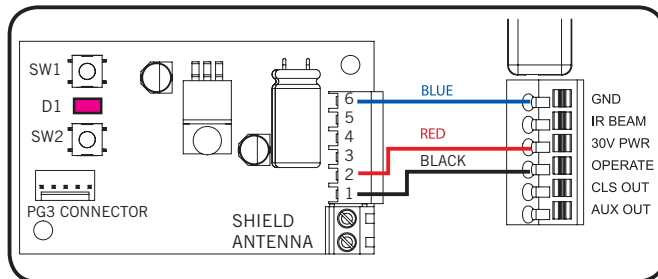Control Output 2 : Open collector output at pin four for channel two (40 dc volts 100ma max)

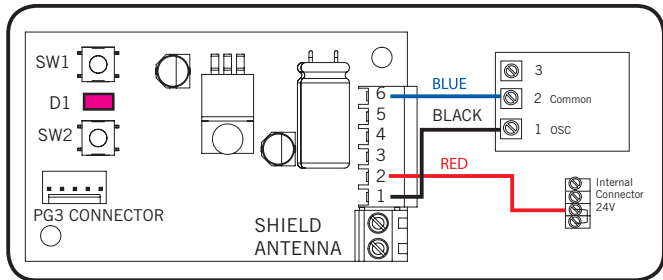## HOW TO CONNECT RECEIVER WITH HARNESS TO OPENERS:
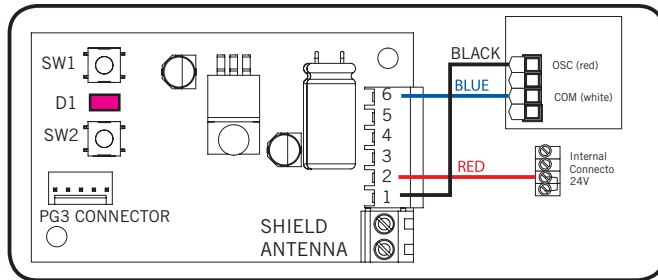
CONNECTING RECEIVER TO CONTROLL-A-DOOR P DIAMOND
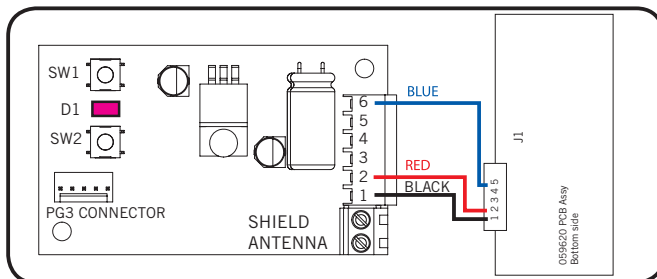

CONNECTING RECEIVER TO CONTROLL-A-DOOR DIAMOND - POWER DRIVE

CONNECTING RECEIVER TO CONTROLL-A-DOOR 4

CONNECTING RECEIVER TO CONTROLL-A-DOOR P

CONNECTING RECEIVER TO CONTROLL-A-DOOR R

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