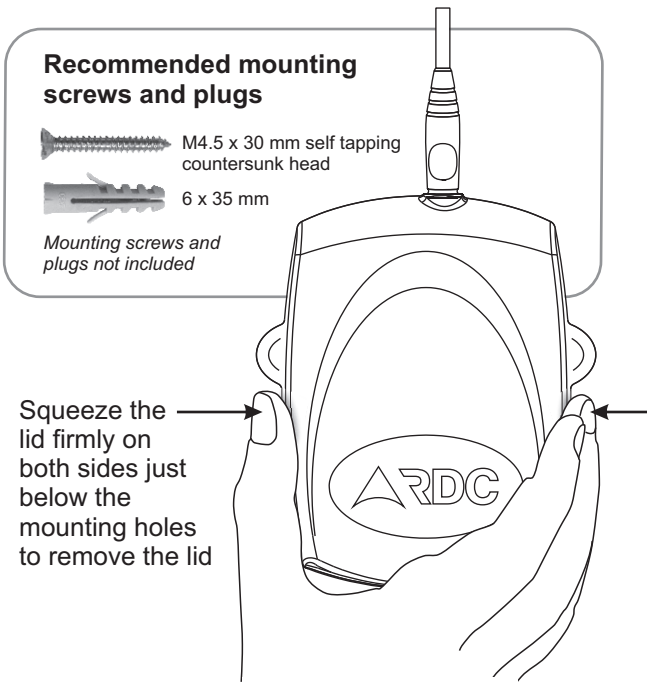


TX790CID (Contact ID) - Installation Instructions

24hr Standby
082 444 7176

www.radiodata.co.za



A Contact ID Configuration

Alarm Panel Setup and Connection

Configure the Alarm Panel as follows:

Communicator format	Ademco Contact ID® (Automatic Reporting)
Primary Tel Number	1234
Account Code	1234
Dialing Type	Tone
Wait for Dial Tone	No

Note: The account code programmed into the alarm panel is not used by the alarm transmitter. The alarm transmitter is preprogrammed internally with the appropriate radio code, however for the correct functioning of the Contact ID interface, the alarm panel is still expected to supply an account code.

Connect the TIP (input 8) of the transmitter to the TIP input of the alarm panel. Connect the RING (NEG input) of the transmitter to the RING input of the alarm panel.

Note: The NEG input of the transmitter must also be connected to the NEG terminal of the battery, as is the case for normal transmitter installations.

When programming the alarm panel, the following must be observed:

- Up to 4 partitions are supported / reported
- Up to 31 zones are reported
(zone 32 reserved for universal or unknown zone)
- Up to 15 users / key holders are reported
(user 16 reserved for universal or unknown user)
- Only battery low and AC fail restorals are reported
- All standard RDC type telemetries are reported

B Hardwired Input Configuration

Certain hardwired inputs are still functional while the transmitter is configured for Contact ID type operation. It is however highly recommended that these inputs should only be connected if the Contact ID interface is not being used. Connecting the hardwired inputs and using the Contact ID interface simultaneously will cause the transmitter to send huge volumes of redundant transmissions, which in turn will cause the radio network reliability to decrease.

Input 1 - Panic Input 2 - Alarm

NB: Inputs 3, 4, 5, 6, 7 & 8 are not available for use and therefore have no terminal blocks. These inputs should not be connected under any circumstances.

Input 2 - Alarm Input

This input has a programmable delay feature to allow direct connection to the bell output of alarm panels. The delay prevents triggering when annunciation is used. The delay is programmable between 0 - 7.5 seconds in 0.5 second intervals.

The transmitter inputs accommodate the following alarm panels output voltage ranges:

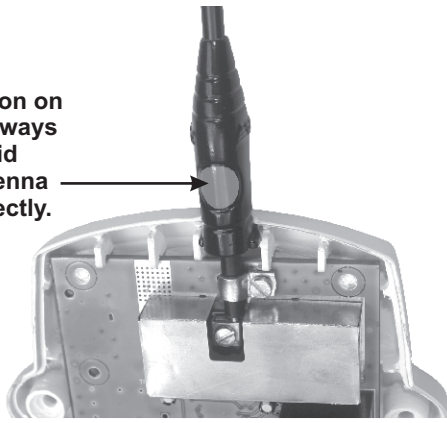
- Positive Trip** 10.8 ~ 14V
- Negative Trip** Open Collector 0 ~ 0.5V

Alarm panels which do not meet this requirement will require a level converter interface.



Whip antenna

The round indentation on the antenna must always **face upwards**. The lid will not fit if the antenna is not oriented correctly.



To install the antenna, slide it through the saddle and firmly into the square connector next to the screw. Tighten the square connector and saddle screws.

NOTE: The whip antenna is cut to the correct length. Cutting or lengthening the antenna will negatively affect the transmitters' performance.

The antenna must not be mounted less than 2m from any large metal object.

- The transmitter generates a very strong RF field around the antenna. This RF field can affect other electronic equipment, such as computers, television sets, music systems, and alarm equipment, **especially passives**.
- When mounting an antenna against a wall, always check for metal objects or other electronic equipment on the other side of the wall.

PLEASE NOTE: The transmitter should never be triggered without a suitable antenna being connected. If the transmitter is used with the built in whip antenna, ensure that it is properly connected, fully extended and away from any metal obstructions. Triggering the unit without an antenna or a folded/ bent antenna may cause permanent damage to the transmitter and/or unpredictable and erratic behavior.

12 Volt power connection

During transmission the transmitter draws up to 1.8 Amps from the battery at 12V. Using thin wire between the battery and the transmitter will restrict the RF power on transmission and prevent it from working reliably.

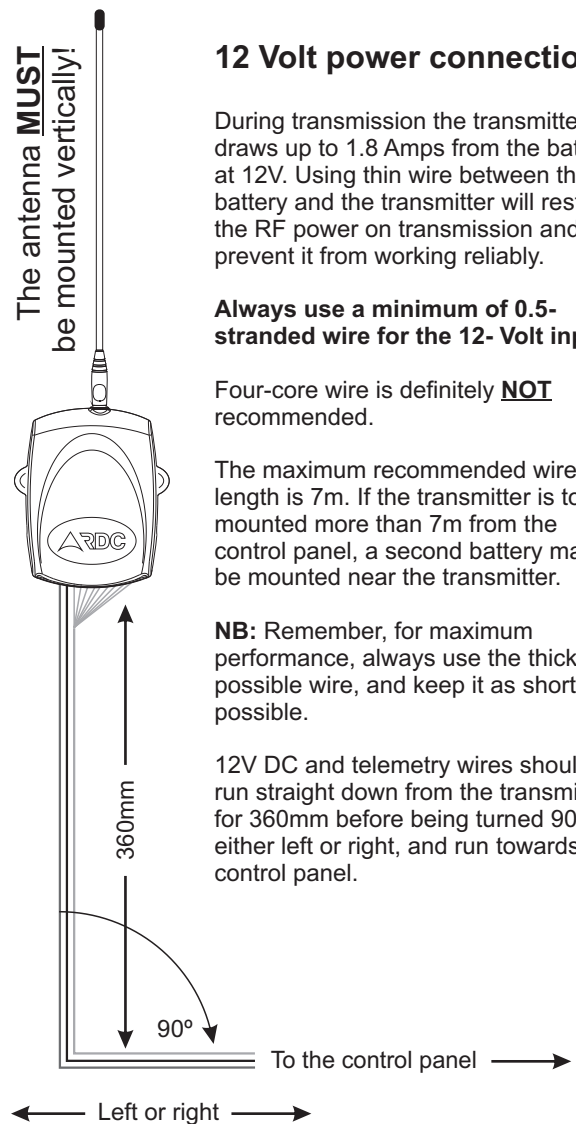
Always use a minimum of 0.5-stranded wire for the 12- Volt input.

Four-core wire is definitely **NOT** recommended.

The maximum recommended wire length is 7m. If the transmitter is to be mounted more than 7m from the control panel, a second battery may be mounted near the transmitter.

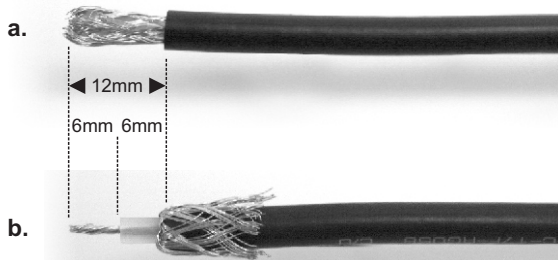
NB: Remember, for maximum performance, always use the thickest possible wire, and keep it as short as possible.

12V DC and telemetry wires should be run straight down from the transmitter for 360mm before being turned 90° either left or right, and run towards the control panel.



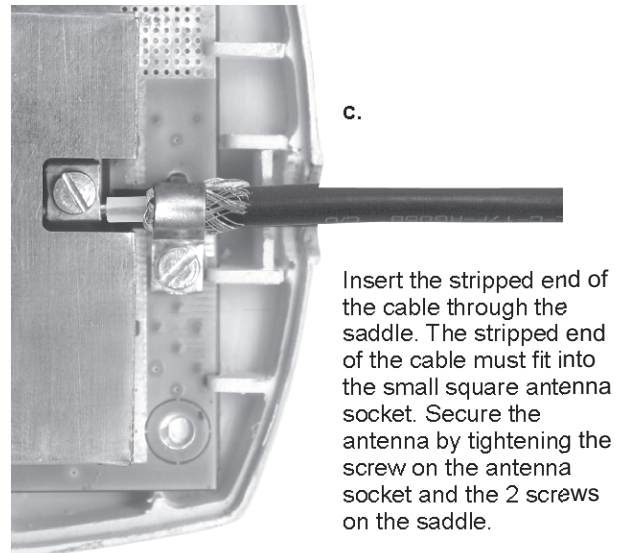
Connecting a Black Max antenna to extend the range (NOT SUPPLIED)

Strip off 12mm of the outer insulation taking care not to damage the braiding.



Fray and pull back the braiding and strip off 6mm of the inner white insulation leaving 6mm of the inner wire exposed.

NOTE: Ensure that none of the strands of braiding wire short to the inner core of the antenna cable!



Insert the stripped end of the cable through the saddle. The stripped end of the cable must fit into the small square antenna socket. Secure the antenna by tightening the screw on the antenna socket and the 2 screws on the saddle.

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