TX Panic Pack - TX 790C & TX 750C
Installation Instructions

Internal tamper proof whip antenna

Transformer

Short range receiver *(optional)*

Independent power supply

Long range transmitter

Battery (12V 2.2 or 7AH)

Lid tamper switch

Remote panic/s *(optional)*
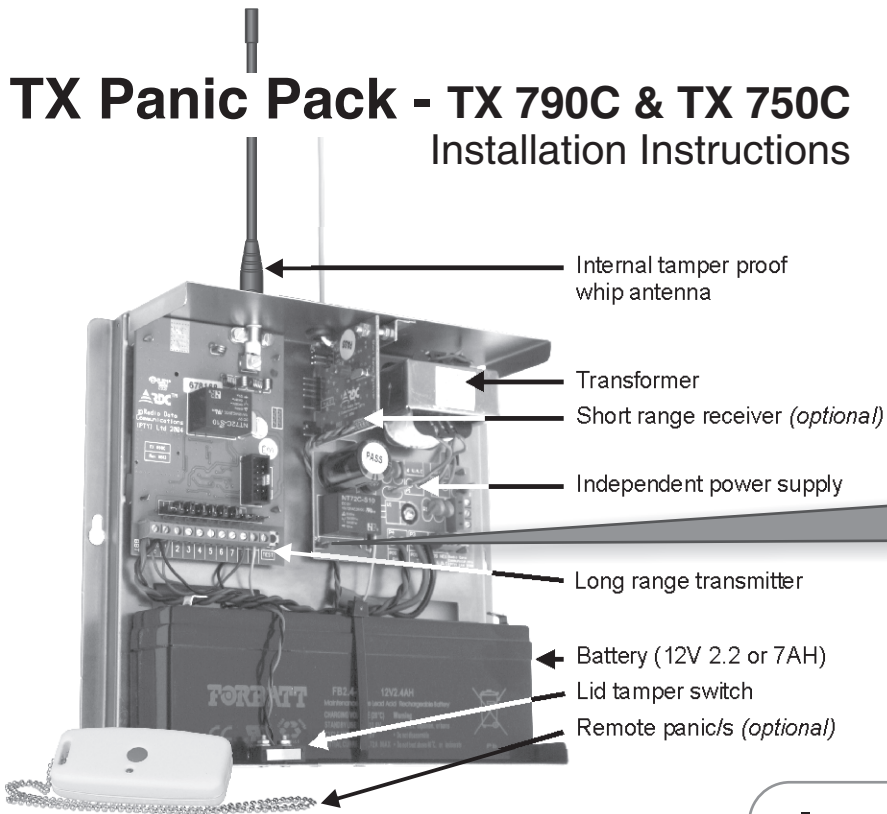
The TX Pack Charger has a low battery disconnect feature to protect the battery from deep discharge. When the battery voltage falls below 10.5 V with the AC supply not being present the TX Pack will turn off. When the AC is restored, the charger will reconnect the battery automatically.

NOTE: For installation and test purposes a 'bootstrap' link is provided on the charger board to reconnect the battery without an AC supply being present. Momentarily shorting the link pins on the charger board will turn the TX Pack on. The link must not be left across these jumpers permanently as this will defeat the battery protection circuitry.

Models

Standard pack includes

- Transmitter - TX750C, TX790C or TX790CID-Contact ID
- 2.2 or 7 Amp hour Battery
- Built-in 600 mA charger with low battery cut off
- Built-in transformer
- Built-in tamper proof whip antenna
- Tamper switch on lid

Complete pack includes

- Built-in super-het receiver (+/- 200m range - terrain dependent)
- One hand held panic button

Optional extras
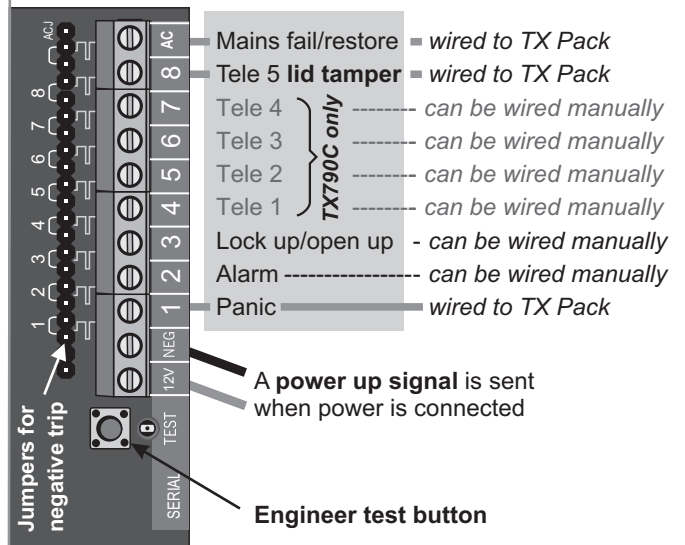
Extra options must be specified with your order.

- **Cable cut** - a self-sensor monitors the wiring to the control panel and sends a warning signal if the wiring is cut.
- **Additional hand held panic buttons**
- **Multi channel receiver** - A 4-channel receiver allows it to learn 4 different panic buttons and switch its outputs to identify which of the 4 remote signals has been received. This means that the remote that caused the activation can be identified.
- **External siren** - gives positive feedback to the user that a panic signal has been received.

TX-Pack with optional external siren

Inputs

The transmitter inputs accommodate the following alarm panels output voltage ranges:
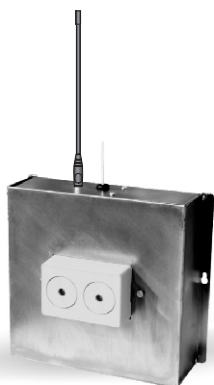
Positive Trip	10.8 ~ 14V
Negative Trip	Open Collector 0 ~ 0.5V

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

Terminal	Connection
AC	Mains fail/restore = *wired to TX Pack*
Tele 5 **lid tamper**	= *wired to TX Pack*
Tele 4	-------- *can be wired manually*
Tele 3	-------- *can be wired manually*
Tele 2	-------- *can be wired manually*
Tele 1	-------- *can be wired manually*
Lock up/open up	- *can be wired manually*
Alarm	---------------- *can be wired manually*
Panic	*wired to TX Pack*

TX790C only

Jumpers for negative trip

A **power up signal** is sent when power is connected

Engineer test button

LED indicates transmitter conditions:

• • • • • • •	Transmitter standby - battery voltage correct
▬ ▬ ▬ ▬	Transmitting
• • • • •	Mains fail
•••••••••••••••	Battery voltage too low for normal operation
••••• ▬ •••••	Low battery, but still able to operate
▬▬▬▬	Battery over voltage
• • • • • • • • •	Incorrectly programmed

RDC™

Short range receiver programming instructions

NOTE: This receiver will only function with remote key-fob transmitters using the TRINARY format operating on 433.92 MHz. Check with your supplier if necessary.

This receiver is capable of operating with up to 4 remote key-fobs. Each key-fob can have its own unique code combination and when a recognized code combination is received, the output corresponding to the code received will be activated.

This allows the receiver to be used in situations where it is necessary not only to react to an incoming key-fob signal, but also to identify which key-fob or group of key-fobs caused the activation.

It is important that before proceeding with the receiver programming, the unique code combination for each key-fob should be set in the remote key-fobs. If a group of key-fobs are required to trigger the same output on a receiver then it is important that each of those key-fobs in the group should have the same unique code combination. Under these circumstances it will not be possible to identify the exact key-fob that caused the activation, only the group to which the key-fob belongs can be identified.

On the receiver perform the following steps:

The steps necessary to programme each of the 4 outputs are essentially the same. The jumpers installed in the positions LK1, LK2 and LK3 determine which output is being programmed. See Table below.

1. Apply power to the receiver, if receiver is installed in a RDC TX PACK or similar; ensure that the entire unit is powered up.
2. Ensure that the correct jumper configuration has been selected on LK1, LK2 and LK3. This jumper configuration selects the output that is to be programmed. See table.
3. Install the supplied link across the LEARN pins.
4. Observe the LED on the receiver flashing at a steady rate.
5. Press and hold the button on the remote key-fob that is required to trigger the selected output. Keep the button depressed for approx. 3 seconds.
6. On releasing the button, the LED on the receiver should be permanently on. If not repeat step 5 again.
7. Remove the jumper across the LEARN link.
8. If more outputs are to be programmed using key-fobs that have code combinations that differ from those already programmed into the receiver, then repeat steps (2) to (7) until all the desired outputs have been programmed.
9. The receiver has now been taught to recognize the remote key-fob/s and is ready for use.

| Output	LK1	LK2	LK3
1	IN	OUT	OUT
2	OUT	IN	OUT
3	IN	IN	OUT
4	OUT	OUT	IN

To verify correct operation:

Press the button on any of the remote key-fobs and observe the LED on the receiver turning on in response to the correct code being received. The LED on the receiver should remain on for about 3 seconds after the button is released. The LED will respond to any key-fob it recognises irrespective of the output which is activated.

To code additional remote key-fobs to the receiver, simply duplicate the DIL switch settings of the master key-fob, in the extra remote transmitters.

To re-code the receiver for new remote key-fob code combinations, repeat steps (1) through (8) above. Old remote key-fob codes are replaced by new key-fob codes during the LEARN process.

Siren installation instructions

1) Remove the 4 screws holding the TX-Pack lid to the chassis and remove the lid.
3) Install the siren bomb into the cut-out of the lid. The siren should be pushed through from the underside of the lid, with the wires facing the small half moon notch in the cut-out. This is to prevent the wires from chafing against the edge of the cut-out on the lid.
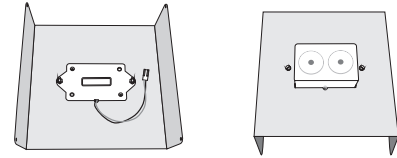
4) Using the 2 M4 screws provided, bolt the siren to the lid.
5) Replace the lid on the chassis of the TX-Pack and install the top two screws only (nearest the transformer).
6) Connect the siren to the receiver board as shown. The plug is non reversible and can only be connected one way.
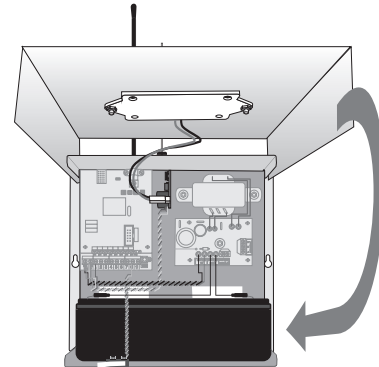
7) Connect the battery and test the siren by pressing the key fob. The siren should sound for three seconds and the TX-Pack should send a panic signal.
8) Close the lid completely and fasten the two remaining screws to complete the installation.

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.