Transmitter Specifications - TX 790C Range

Frequency Range	132 - 174 MHz
Channel Spacing	12.5 KHz
Operating Voltage	10.5 to 13.8 Volts DC
Modulation Method	FM
Frequency tolerance	5 ppm

Narrow Bandwidth Spurious Emissions:

a) Harmonic	> 60 dB
b) Non harmonic	> 70 dB

Deviation:	Adjustable between 1.5 and 2.5 KHz
Nominal	Approximately 2 KHz
Temperature range	-10 to + 60 C
Class of Emission	F3E
Antenna Impedance	50 Ohms

Current Consumption:

Standby	30 mA
Transmit	1.8 Amps at 12V nominal

Overall Dimensions	112mm x 81mm x 24mm
Mounting	2 x 7mm holes
Antenna Socket	Internal tamper proof antenna connection
Transmission Duration	90 - 360 mS

Telemetry Inputs:

Output voltage range   *Positive Trip* - 10.8~14V   *Negative Trip* - Open Collector 0~0.5V
The transmitter inputs accommodate only the above alarm panel output voltage ranges.
Alarm panels which do not meet this requirement will require a level converter interface.

Inputs Connections   Screw terminals

Models

TX 750C
Reports a 4 digit code number, customer ID and 9 telemetry conditions:

- *open/close*
- *panic*
- *alarm*
- *low battery*
- *self-test*
- *engineer test*
- *telemetry 5*
- *dedicated mains fail/restore*

TX 790C
Reports a 4 digit code number, customer ID and 12 telemetry conditions:

- *open/close*
- *panic*
- *alarm*
- *low battery*
- *self-test*
- *engineer test*
- *telemetry 1*
- *telemetry 2*
- *telemetry 3*
- *telemetry 4*
- *telemetry 5*
- *dedicated mains fail/restore*

TX 790CID
Reports a 4 digit code number, customer ID and 2 hardwired telemetry conditions:

- *panic*
- *alarm*
- *TIP*
- *RING*

Contact ID interface support:
Up to 4 partitions are supported / reported
Up to 31 zones reported
(zone 32 reserved for universal or unknown zone)
Up to 15 users / key holders reported
(user 16 reserved for universal or unknown user)

TX 790 Serial
Reports a 4 digit code number and customer ID

Serial interface support:
Up to 4 partitions are supported / reported
Up to 31 zones reported
(zone 32 reserved for universal or unknown zone)
Up to 15 users / key holders reported
(user 16 reserved for universal or unknown user)

Network Models
Models are available for managed networks without open/close inputs

Operation

- Low battery and restore reporting.
- Self test programmable between 1-250 hours.
- Internal pull-up resistors for negative trip eliminates the need for external resistors.
- A power-up signal is sent which can indicate that the transmitter has been tampered with by an insider.
- A programmable mains fail/restore delay can be set from 15 - 250 minutes plus a random delay to prevent signal clashing. The factory default is 15 minutes plus the random delay. The installer, however, is able to test mains fail/restore signals without delay for thirty minutes after the installation.
- Engineer test button.
- Signal buffering - when inputs are triggered simultaneously they are stored in the transmitter and sent in priority order.
- LED indicates 7 different transmitter conditions.