

Submittal Data Sheet

The Tri-Tech Med Touch Wireless Master Alarm repeater panels may be installed as needed to increase the range of the wireless signals from the local sending panels, and/or to broadcast wireless signals around imaging rooms, earthen walls, large RF emitting equipment or construction materials. The radio transceivers are capable of broadcasting up to 1/4 mile through steel, brick and mortar wall construction or 1/2 mile through typical stud wall construction and up to 3 miles with a clear line of site. Each repeater panel receives and re-sends all signals sent by all local sending panels on four networks (mesh networking). Tri-Tech Wireless Master Alarm networks drastically reduce installation costs by eliminating most of the low voltage wiring. The wireless network monitors and displays normal and alarm conditions from local source sending panels to master receiving alarm panels.

◆ See Typical Wireless Network diagram on page 2.

Features

- **Five year parts and one year labor limited warranty***
- Made in the U.S.A.
- Broadcast up to 1/4 mile thru steel, brick & mortar.
- Secure – utilizes FCC regulated bandwidths and unique hopping and network I.D.'s
- Mesh-network transceivers
- Microprocessor controlled
- Constant monitoring of each source alarm signal
- Hinged frame with lanyards for easy accessibility
- Self-contained unit - Designed for ease of installation and service

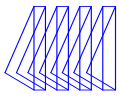
*See Terms and Conditions, Documents No. 99-0477, on website at: www.tri-techmedical.com for complete details.



(Repeater panel – part # TU-REPEATER)

Specification

The Repeater Panel shall be the Tri-Tech Medical TX-REPEATER Series Alarm Panel. The panel shall be microprocessor controlled. The panel shall be 100% digital and shall not require re-calibration. The repeater panel shall be enclosed in a steel box and shall be designed to accept an electrical input range of 120-240 volts AC – 50-60 hertz. The source voltage shall be stepped down to low voltage DC control voltages (24V and 5V) by means of a self-contained power supply. The radio transceivers shall be capable of broadcasting up to 1/4 mile through steel, brick and mortar wall construction or 1/2 mile through typical stud wall construction and up to 3 miles with a clear line of site. Each radio transceiver installed in a sending panel also acts as a repeater for other sending panels (mesh networking). The alarm shall detect and filter out transient signals (less than 0.7 seconds).



How to Order

<u>Panel Type</u>	<u>Model #</u>	<u>Description</u>
<u>Repeater</u>	<u>TU-REPEATER</u>	<u>Indoor Repeater (2 slot) English/French Warning Labels</u>
	<u>TS-REPEATER</u>	<u>Indoor Repeater (2 slot) English/Spanish Warning Labels</u>

A site survey using a set of ‘loaner’ local sending and receiving master panels and repeater(s) is recommended to help determine the best exact installation location(s) and the number of repeater(s) required to ensure trouble-free operation.

All wireless alarm panels should be installed at least 10 feet from any large source of electro-magnetic interference (EMI) or high voltage and at least 1 foot away from any structural support beams.

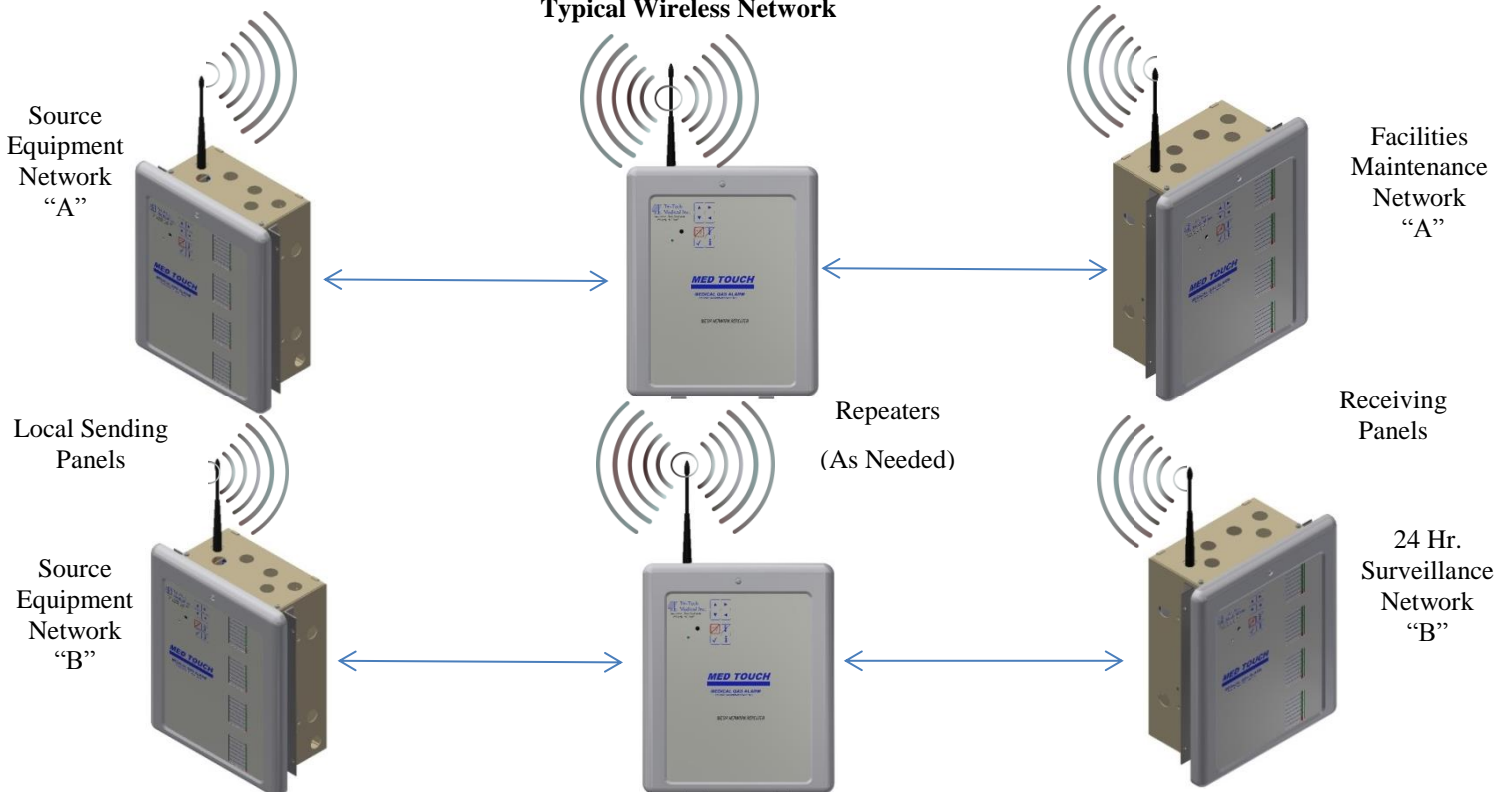
Wireless alarm transceivers will not broadcast through imaging rooms or earthen walls. Please plan to broadcast around imaging room or earthen wall obstacles.

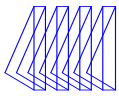
All transceiver antennas should be a minimum of 20 feet from any other transceiver antenna and all antennas should be installed in the same orientation – i.e. vertical

Additional features:

- The radio transceivers shall be capable of broadcasting up to 1/4 mile through steel, brick and mortar wall construction or 1/2 mile through typical stud wall construction and up to 3 miles with a clear line of site.
- Each radio transceiver installed in a local sending panel also acts as a repeater for other local sending panels (mesh networking).

Typical Wireless Network





**DIMENSIONS - INCHES
(MM)**

