

Submittal Data Sheet

The Tri-Tech Med Touch Wireless Local Sending Panels are designed to provide years of trouble free reliable operation. With up to 128 alarm points per network (up to 4 networks) available to monitor critical equipment for your facility, and provide alarm conditions as required by the latest edition of NFPA 99. 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 two or more master alarm panels. Repeater panels may be added to the network(s) as needed to boost signal communication. ♦ **Two local/sending panels are recommended for each source location (see Typical Wireless Network diagram on page 5).**

Features and Benefits

- **Five year parts and one year labor limited warranty***
- Complies with NFPA 99. 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
- Repeater panels available – if needed.
- Microprocessor controlled
- Constant display & monitoring of each source alarm signal
- Hinged frame with lanyards for easy accessibility
- A 'general fault' set of dry contacts with relay to trigger an optional remote alarm in the event of an alarm condition
- Weatherproof local source sending panels available
- Each 2.85" LCD touch screen displays up to 8 normal and alarm conditions for pressure switch sensor inputs
- The LCD touch screen allows all alarm programming and set up to be done without the use of tools
- A green normal or red alarm condition for each alarm point confirms the condition for each individual signal point
- Emergency preparedness instructions - Med Touch alarm panels allow users to set up customized instructions for each alarm signal, to appear when the signal is in alarm state
- Up to 128 signal points in a single sending panel and up to 4 networks of 128 signal points per network available
- Last event history (per signal point)
- English, French and Spanish pre-loaded languages
- Editable text and alarm 'labels'
- Self-contained unit - Designed for ease of installation and service
- Self-diagnostic and error message display for ease of maintenance
- Audio and visual alarm indicators
- Bright easy to read LCD displays – clearly visible in both day and night lighting conditions
- Should communication fail between any local and master panels for 20 seconds continuously the signals not being communicated will alarm on the master panel which is not receiving the communication.

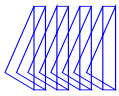
*See Terms and Conditions, Documents No. 99-0477, on website at: <https://tri-techmedical.com> for complete details.



(Local source sending alarm 32 signals – part # T2UPPPP-MS)

Specification

The local sending Panel shall be the Tri-Tech Medical TXXXX-MS series Alarm Panel. The panel shall be microprocessor controlled and designed to comply with NFPA 99 or ISO. The panel shall be 100% digital and shall not require re-calibration. The local sending 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 panel shall contain audible and visual alarm indicators. The audible alarm may be silenced by pressing the alarm silence button, but the visual alarm indicator can only be cancelled by fault correction. 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). Each signal point may be individually programmed to accept Normally Open or Normally Closed signals, or may be disabled and is factory preset to accept Normally Closed signals. The alarm shall detect and filter out transient signals (less than 0.7 seconds). The alarm shall be capable of displaying last alarm history for each signal point.

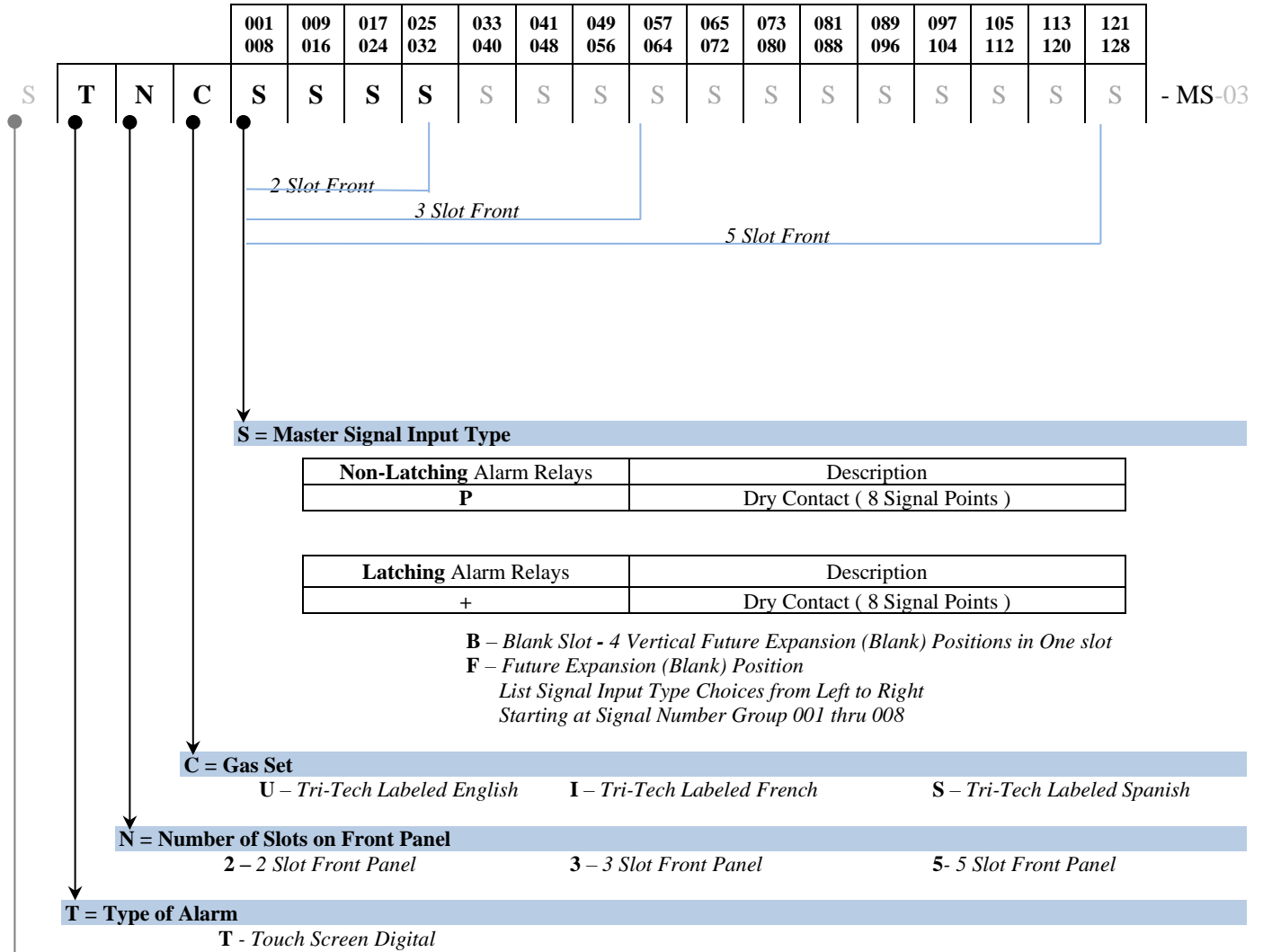


How to Order: Easy to use modular ordering system.

Fill in the blanks to specify the Med Touch Master Alarm that meets **your** needs.

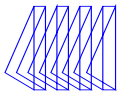
Model Numbering:

Signal Number Group

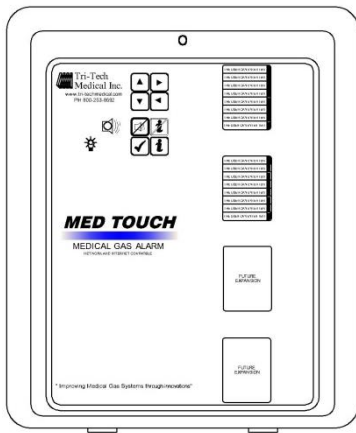


Note: Weatherproof models available for 2 Slot Front Panels only. Use “S” as prefix and “-03” at the end of the model number.

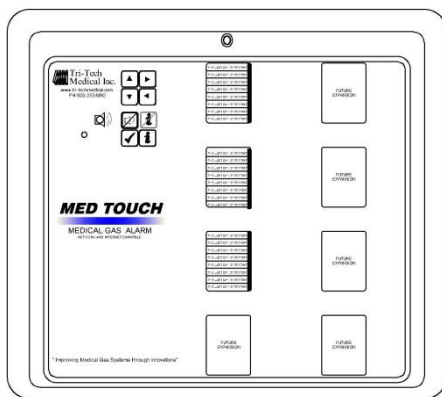
I.E. ST2UPPFF-MS-03 – 2 Slot master alarm local source sending panel with pre-loaded English signal labels in a weatherproof enclosure. 16 Dry Contact Signal Points with Non-Latching Relays, and two Future Expansion (Blank) positions at the bottom.



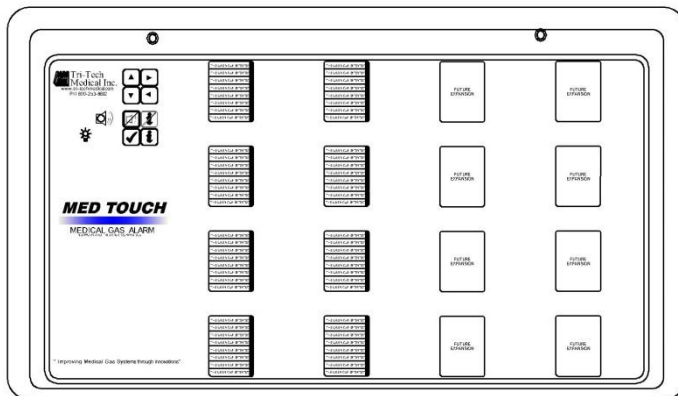
Part No. Examples



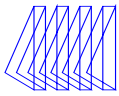
T2UPPFF-MS = 2 Slot Master Alarm Local Source Sending Panel with pre-loaded English signal labels. 16 Dry Contact Signal Points with Non-Latching Alarm Relays, and two Future Expansion (Blank) positions at the bottom.



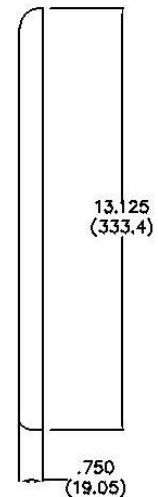
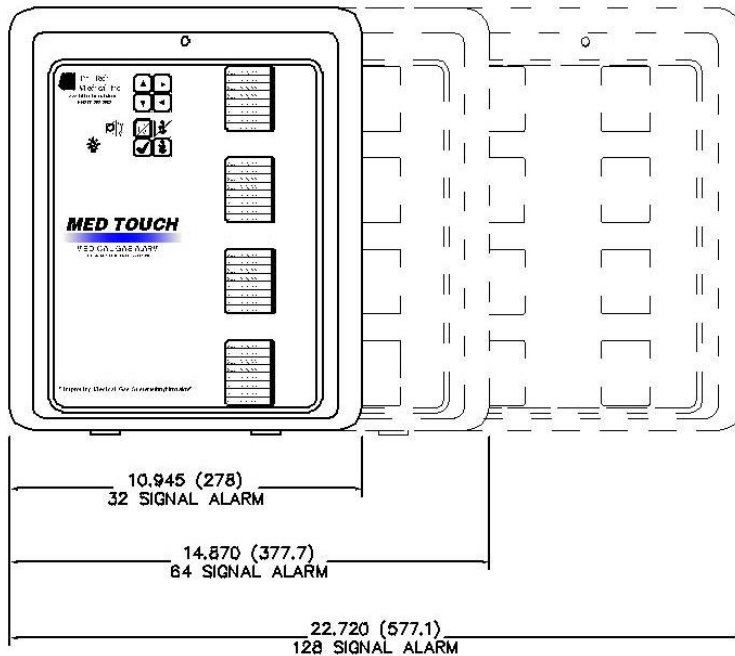
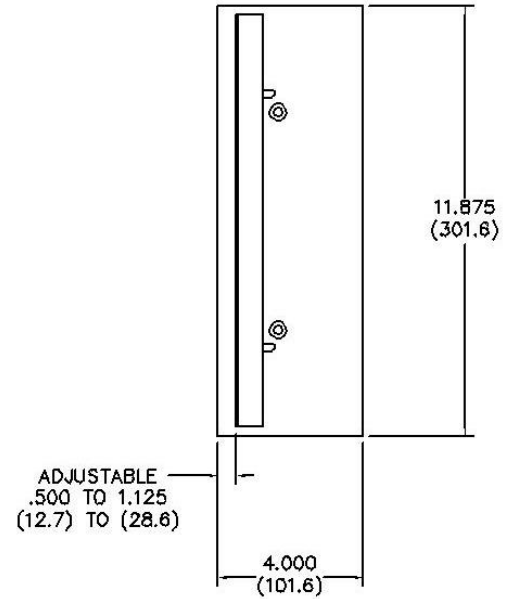
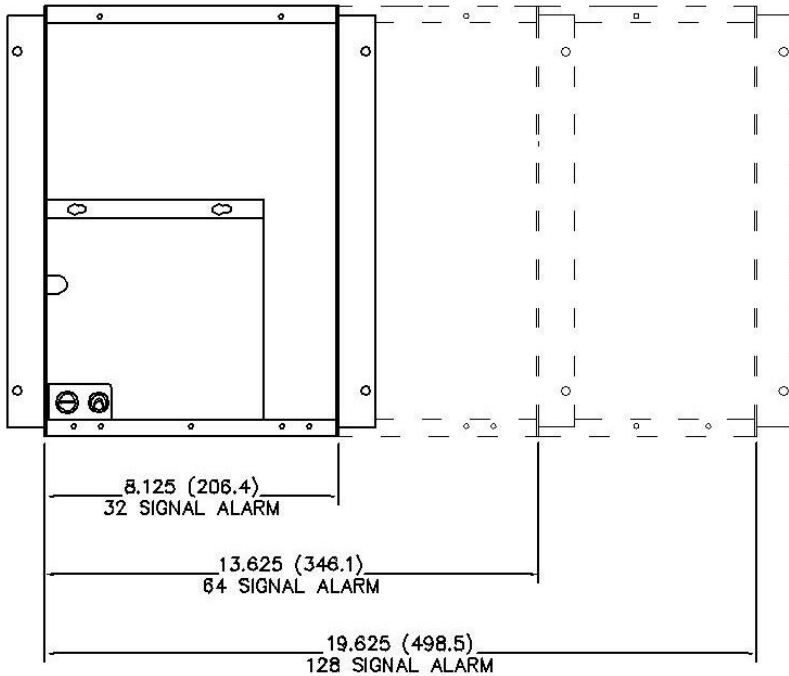
T3IPPPFB-MS = 3 Slot Master Alarm Local Source Sending Panel with pre-loaded French signal labels. 24 Dry Contact Signal Points with Non-Latching Alarm Relays, and one Future Expansion (Blank) position at bottom of 2nd slot, 3rd slot has 4 vertical Future Expansion (Blank) positions.

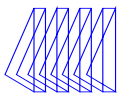


T5UPPPPPPPBB-MS = 5 Slot Master Alarm Local Source Sending Panel with pre-loaded English signal labels. 64 Dry Contact Signal Points with Non-Latching Alarm Relays, the 4th and 5th slots have 4 vertical Future Expansion (Blank) positions in each slot.



DIMENSIONS - INCHES
(MM)





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 rooms 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:

- Individual user programmable remote signal alarm points to accept NO or NC signals, or may be disabled. Factory preset to accept Normally Closed signals
- LCD indicators (Green) confirms normal status, (Red) indicates abnormal condition
- Menu of NFPA 99 master alarm signals for quick, easy selection
- Alarm repeat feature is factory set as off, and is adjustable
- 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

