Submittal Data Sheet

The Tri-Tech Med Touch Wireless Master Receiving 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.

♦ *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
- 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

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

(Master Receiving alarm 32 signals – part # T2UPPPP-MR)

Specification

The master receiving Panel shall be the Tri-Tech Medical TXXXX-MR series Alarm Panel. The panel shall be microprocessor controlled and designed to comply with NFPA 99. The panel shall be 100% digital and shall not require re-calibration. The panel shall be able to interface with building management systems with the use of optional Ethernet Modbus or Ethernet BACnet modules. The master receiving 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. Each is factory preset to Normally Closed for proper operation or may be disabled. 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.
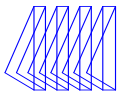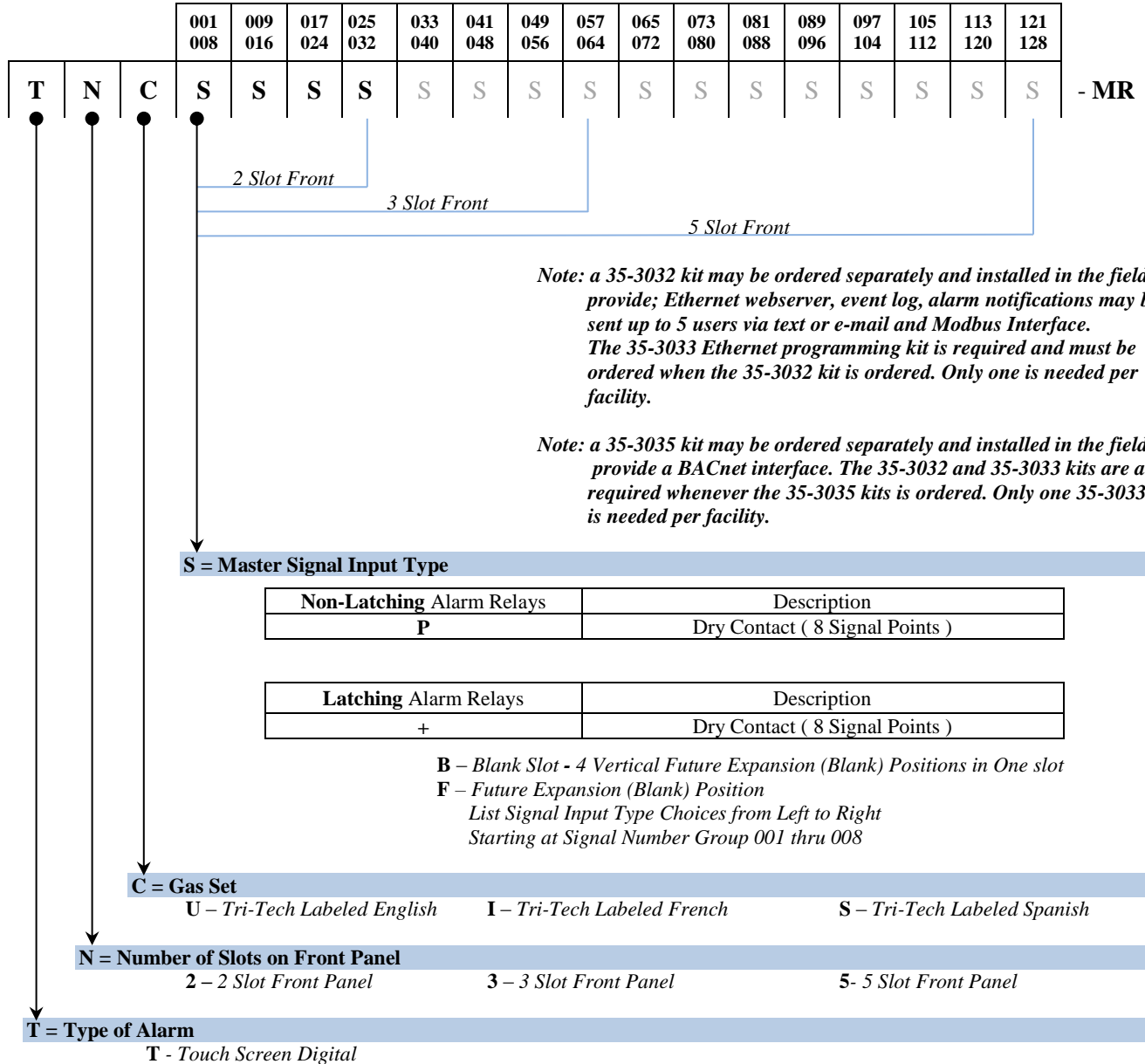
How to Order: Easy to use modular ordering system.
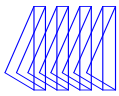*Fill in the blanks to specify the Med Touch Master Alarm that meets **your** needs.*

Model Numbering:

Signal Number Group

	001 008	009 016	017 024	025 032	033 040	041 048	049 056	057 064	065 072	073 080	081 088	089 096	097 104	105 112	113 120	121 128	
T **N** **C**	**S**	**S**	**S**	**S**	S	S	S	S	S	S	S	S	S	S	S	S	**- MR**

2 Slot Front

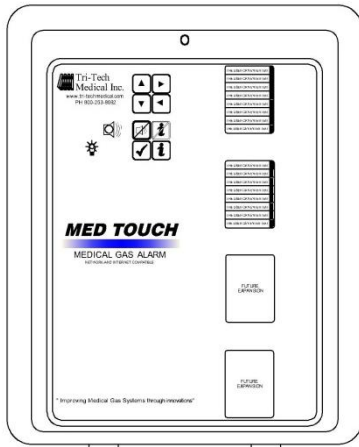*3 Slot Front*

5 Slot Front

Note: a 35-3032 kit may be ordered separately and installed in the field to provide; Ethernet webserver, event log, alarm notifications may be sent up to 5 users via text or e-mail and Modbus Interface.
The 35-3033 Ethernet programming kit is required and must be ordered when the 35-3032 kit is ordered. Only one is needed per facility.

Note: a 35-3035 kit may be ordered separately and installed in the field to provide a BACnet interface. The 35-3032 and 35-3033 kits are also required whenever the 35-3035 kits is ordered. Only one 35-3033 kit is needed per facility.

S = Master Signal Input Type

Non-Latching Alarm Relays	Description
P	Dry Contact (8 Signal Points)

Latching Alarm Relays	Description
+	Dry Contact (8 Signal Points)

B – *Blank Slot* **-** *4 Vertical Future Expansion (Blank) Positions in One slot*
F – *Future Expansion (Blank) Position*
List Signal Input Type Choices from Left to Right
Starting at Signal Number Group 001 thru 008

C = Gas Set
U – *Tri-Tech Labeled English*   **I** – *Tri-Tech Labeled French*   **S** – *Tri-Tech Labeled Spanish*

N = Number of Slots on Front Panel
2 – *2 Slot Front Panel*   **3** – *3 Slot Front Panel*   **5**- *5 Slot Front Panel*

T = Type of Alarm
T - *Touch Screen Digital*
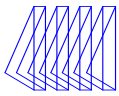
Part No. Examples

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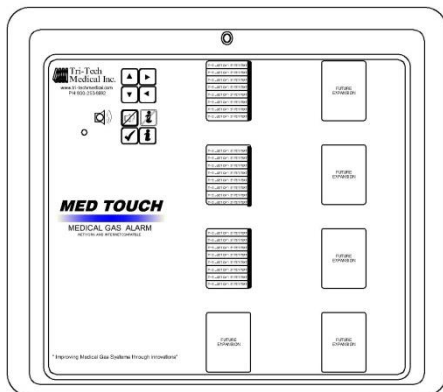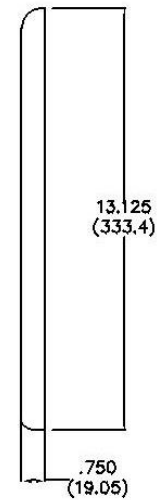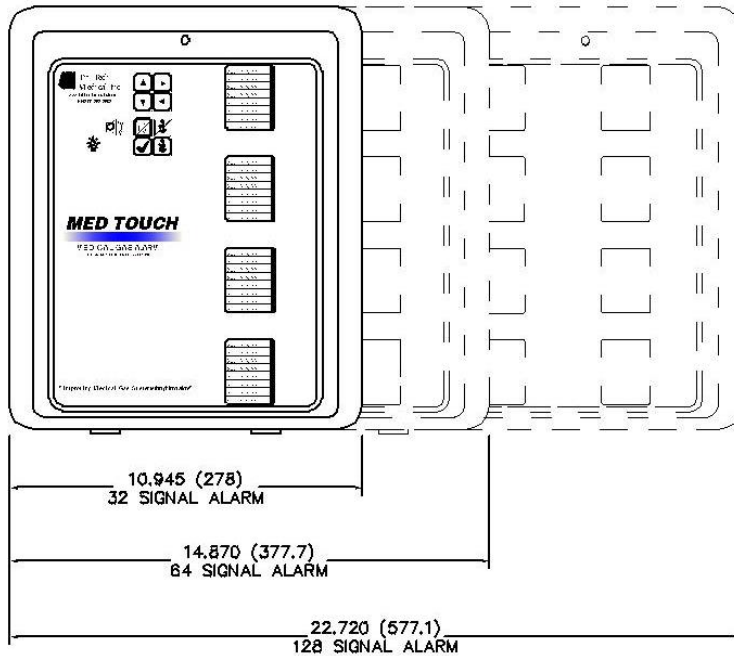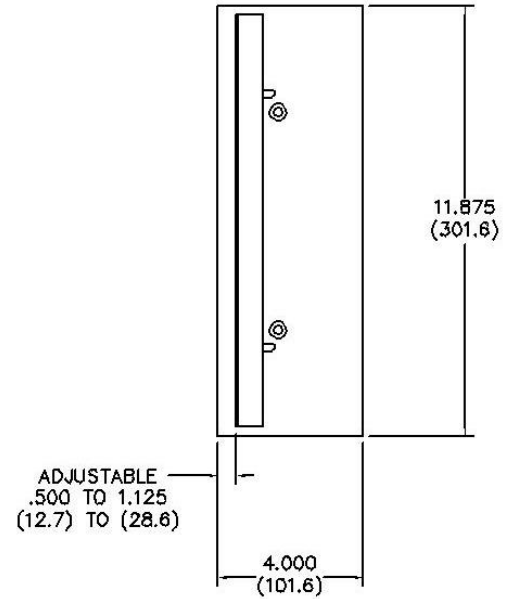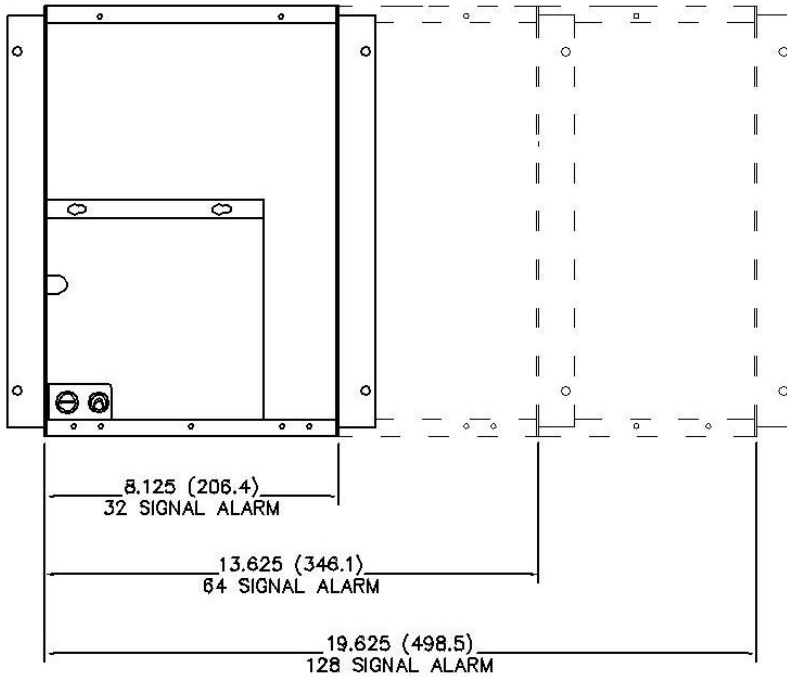

T3IPPPF-MR = 3 Slot Master Alarm Receiving Panel with pre-loaded French signal labels. 24 Dry Contact Signal Points with Non-Latching Relays, and one Future Expansion (Blank) position at bottom of 2nd slot, 3rd slot has 4 vertical Future Expansion (Blank) positions.
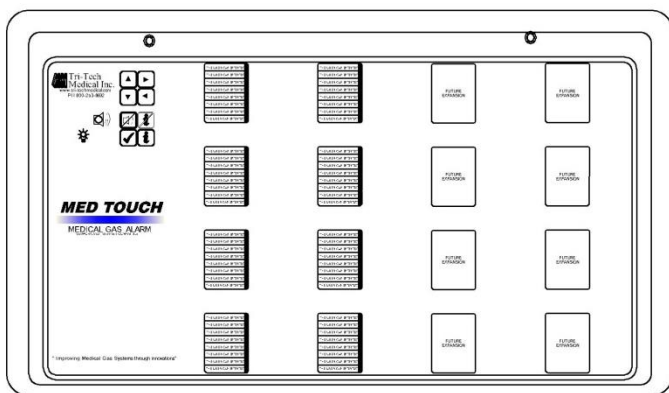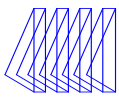

T5UPPPPPPPPBB-MR = 5 Slot Master Alarm Receiving Panel with pre-loaded English signal labels. 64 Dry Contact Signal Points w/ Non-Latching Alarm Relays the 4th and 5th slots have 4 vertical Future Expansion (Blank) positions in each slot.

DIMENSIONS — INCHES
(MM)

11.875
(301.6)

ADJUSTABLE
.500 TO 1.125
(12.7) TO (28.6)

4.000
(101.6)

8.125 (206.4)
32 SIGNAL ALARM

13.625 (346.1)
64 SIGNAL ALARM

19.625 (498.5)
128 SIGNAL ALARM

MED TOUCH

13.125
(333.4)

.750
(19.05)

10.945 (278)
32 SIGNAL ALARM

14.870 (377.7)
64 SIGNAL ALARM

22.720 (577.1)
128 SIGNAL ALARM

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:
- Factory preset to Normally Closed signals or may be disabled
- 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 following options shall be able to be added to the panel, these kits can be ordered separately. See page 2
- Optional Ethernet module. This module may be added to any alarm panel. It will provide the following features:
- Optional Text / e mail notification of alarm events sent to up to 5 addresses
- Webserver – allows a remote user access to the alarm's webpage – viewing a graphic image of the alarm with all signal conditions, event / history log information
- Event / history log – maintains a rolling list of the 100 most recent alarm condition events and a file of the 1,000 most recent alarm events and is downloadable through embedded web pages
- Optional Ethernet connection for BACnet or Modbus transmission of signals to a building automation system
- Optional Ethernet connectivity with embedded web page

Typical Wireless Network

Source Equipment Network "A"

Facilities Maintenance Network "A"

Local Sending Panels

Repeaters
(As Needed)

Receiving Panels

Source Equipment Network "B"

24 Hr. Surveillance Network "B"