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1.0 Responsibilities

Information contained in this Installation and Operation Maintenance Manual pertains to the Ohio Medical Color LCD Touch Screen Master Alarm (MA) System. The Master Alarm System will operate as described in this manual when operated and serviced in compliance with the instructions.

1.1 Installer Responsibilities
The alarm should be handled, installed, and tested per the recommended practice as described within this manual. Should any repair or replacement become necessary, contact Ohio Medical Customer Service (800-448-0770) for original equipment, replacement parts.

1.2 User Responsibilities
The alarm should be tested and examined periodically according to facility codes. Any parts which are found to be damaged, corroded, contaminated, etc. should be replaced.

2.0 Alarm System Description & Function

PLEASE NOTE THE FOLLOWING DEFAULT PASSWORD (PW) = “1111”

Note: The unit's password may be changed anytime. Please contact Ohio Medical Customer Service if your password is forgotten. A Factory Reset will need to be performed. Upon a Factory Reset, ALL user-customized information/settings will need to be re-entered. Given this, please store your password in a secure location.

2.1 Description of Basic Alarm & Functions
The alarm is designed to monitor and display the status of up to 30 Alarm Points (APs). When an alarm condition occurs, a signal is sent to the MA and is displayed on the Liquid Crystal Display (LCD). The unit is capable of relaying alarm conditions to a Building Management System (BMS) via Dry Contacts, Modbus (or BACnet) or, via Ethernet connection.

Custom alarm labels may be created or chosen in the preprogrammed menu. Examples of alarm conditions include: High/Low Gas Pressure, Low Vacuum, Manifold Reserve Tank In-Use, High Temperature Shutdown, Reserve Pump Running.

Alarm Events may be viewed/cleared per an individual alarm condition or, collectively as a group. The unit is also equipped with a Maintenance Mode to permanently silence the audible portion of the alarm until the condition(s) causing the alarm are fixed. Visual Indicators always remain.

Other Key Functions Include:
- Universal 100V-240V AC Power Input with Circuit Breaker Protection
- Normally Open (N.O.) or Normally Closed (N.C.) alarm point set-up
- Alarm Condition Communications (to BMS): Via BACnet, Modbus, Ethernet or Dry Contacts
- Up-To 30 Dry Contact Outputs
- 12.1” Full Color LED Screen; Password Protection
- Adjustable Screen-Scroll and Audible Alarm Silence Options

PLEASE READ THIS MANUAL IN ITS ENTIRETY BEFORE PROCEEDING

2.2 Normal Alarm & Maintenance Mode Condition Views

HAZARD OF ELECTRICAL SHOCK OR BURN. TURN OFF POWER BEFORE WORKING ON THIS EQUIPMENT.

WARNING! SOME EDGES MAY BE SHARP, HANDLE WITH CAUTION.
An AP will be displayed in three different ways:

1. **Normal Alarm Condition:** An AP will display with a green background and white text (as shown below) if conditions on the source equipment are operating within normal operating parameters.

2. **Alarm Condition:** An AP in an alarm condition will display with a red background and white text (as shown below) if conditions on the source equipment are operating outside normal operation.

3. **Maintenance Mode:** An AP in maintenance mode will display with a yellow background with black text (as shown below) … When the AP is manually placed in Maintenance Mode.

**Figure 2.2** Below represents a 30 alarm points (APs) set-up. Two APs are in an alarm condition (red), one is in maintenance mode (yellow) – with the rest seen as operating normally (green).

![Figure 2.2 Showing Master Alarm Front LCD Touch Screen](image)

Note: Alarm Point Input titles (i.e. O2 Changeover) are customizable by the user.
2.3 Alarm Banners & Silence of Audible Alarm Conditions
The audible alarm will sound under any of the following key conditions:
1. An alarm condition exists for one or more APs.
2. The user adjustable Silence Duration time elapsed and any alarm condition is still present.
3. An alarm input on the MA is configured as Normally Open (N.O.) and the dry contacts for the AP (associated with the Source Equipment) are configured as Normally Closed (N.C.).
4. An AP is configured, but no actual physical connection to the source equipment is made.

Silencing the Alarm
The Audible Alarm may be silenced in three ways. If the originating cause is not corrected, the following options will not fix the alarm condition.

1. **Silencing Button**: The audible alarm may be temporarily silenced at any time by pressing the Master Alarm Silencing Button (right) in the lower right portion of the screen, regardless of the screen. Each time the alarm is silenced, the user selected silence duration time will restart.

2. **Silencing Duration**: The default silencing duration time is 5 minutes. The silence duration can be user set to a maximum of 59 minutes & 59 seconds. Silencing duration must be set greater than 0.

3. **Maintenance Mode**: Any AP can be manually placed into maintenance mode. This will silence the audible alarm. Visual alarm indicators remain.

Figure 2.B The volume of the alarm may be adjusted by rotating the volume control located in the lower right corner of the box (Reference Figure 3.2).

2.4 Testing the Alarm Points (APs) [Visual & Audible]
The MAIN MENU screen contains a Test Alarms button. Press and hold the button for approximately five seconds. The alarm will sound for 10 seconds along with red and white flashing visual indicators for all Inputs. See Figure 3.C
3.0 Installation

The alarm is shipped fully wired, tested and calibrated. For ease of assembly in walls, the alarm is shipped in two sections; the Box and Front Panel assemblies. The box is installed in the drywall, then the front panel is attached. Finally, box wiring and sensor inputs/outputs are configured.

3.1 Box Assembly

All sides of the enclosure have knock outs for the power supply wiring and the input/output terminal blocks. Use a hammer and flat headed screwdriver to punch through the knockouts as shown in Figure 3.1.

3.2 Internal View of Master Alarm

Primary components integrated within the Box Assembly include what is shown in Figure 3.2 below.
3.3 Installation Instructions Prior to Drywall Plaster

It is important to mount the box between the wall studs at the required height for its intended use. Check all federal, local, and building codes prior to installation. Adjustable wall-mounted brackets are provided to accommodate for wall thickness after drywalling, plastering, or other means of wall finishing.

**Figure 3.3.1** Remove the metal alarm box assembly from the carton.

![Figure 3.3.1]

**Figure 3.3.2** Remove the cardboard dust cover from the metal box via the two screws (X). Re-insert the screws into the box; they will be used later to hold the cardboard cover in place during drywalling/plastering, and ultimately used for the front panel hinge assembly.

![Figure 3.3.2]

**Figure 3.3.3** Remove the metal wall brackets and hardware from the box located inside the primary box the unit has shipped in.

![Figure 3.3.3]

**Figure 3.3.4** Install the brackets to the left and right sides of the box.

![Figure 3.3.4]

3.3.5 Adjust the brackets so that the front edge of the box assembly [as shown without the hinged cover] is flush with the finished wall.

3.3.6 Once positioned & square, tighten the hardware securing the mounting brackets to the alarm box assembly and wall supports.

*Do not FULLY tighten hardware at this time. Keep lightly snug to adjust to wall conditions.*
3.4 Box Wiring & Drywall/Plaster Preparation

For safety, the circuit breaker must be in the OFF position prior to electrical connections.

Strip ½” of insulation and connect the ground wire to the green ground terminal block.

Strip ½” of insulation, connect the neutral lead wire to the power supply terminal labeled “N”.

Strip the insulation and connect the live lead wire to the circuit breaker.

If not already removed, remove the two screws from the enclosure and set aside.

Note: For clarity, the product is shown removed from the wall.
**Figure 3.4.5** Take the cardboard dust cover and remove the two sides at the perforations.

Note: If a dust cover is not provided or lost, a piece of cardboard may be cut to cover the alarm box during the drywalling or plastering.

**Installation Note:** The cardboard may also be temporarily taped.

![Perforations](image)

**Figure 3.4.6** Gently slide the cardboard in the slits between the inner and outer faces of the alarm box. The two holes in the cardboard should align with the two holes on the bottom of the alarm box. Assemble the two screws to complete the process.

**3.5 Instructions After Drywall & Plaster**

Once the drywalling/plastering is complete, remove the cardboard dust cover by unscrewing the two bottom screws. Set the screws aside and discard the cardboard.

**Figure 3.5** Carefully remove the front panel assembly from the bottom of the shipping box and set it aside (with the HMI touch screen facing upwards).
**Figure 3.5.3** Mount the front panel hinge assembly to the box assembly using the two screws that held the cardboard dust cover on during the drywalling/plastering procedures.

![Hinge & Screws](image)

**Figure 3.5.4** To attach the restraining lanyard (black plastic cable) from the front panel to the box, remove the nut from the stud inside the right side of the box assembly. Take care not to remove the bushing, then install the restraining lanyard over the bushing on the stud. Re-install the nut and hand tighten.

![Nut/Bushing](image) ![Restraining Lanyard](image)

**3.6 Sensor Connection(s) to Master Alarm Input Terminal(s)**

**Figure 3.6** Connect the power wire harness and PLC adapter cable from the expansion adapter to the HMI.

A designated INPUT terminal strip (See Figure 3.6A) is provided to connect up to 30 paired wires from APs (located at the Source Equipment) to the MA (Master Alarm). Connect the Positive (+) wire leads to the left side of the Input terminal strip labeled MA # +. Connect the Negative (-) wire leads to the right side of the Input terminal strip labeled MA # -.

![PLC Adapter Cable](image) ![Power Wire Harness](image)
A corresponding OUTPUT terminal strip is provided to send AP conditions to the Building Management System (BMS).

**Figure 3.6A** Master Alarm [Labeled] Input & Output Terminal Blocks

Note: Wiring to be 18-22 gauge, shielded, twisted and supplied by the installer. Length may be up to 5,000 feet (1,524 meters) and to be in a good repair with properly stripped ends (to avoid shorts).

![Figure 3.6A](image)

Push a small flathead screwdriver into the square release hole on the terminal strip to make connections. Be sure the bare wire ends are not exposed after wire insertion. See Figure 3.6B below.

![Figure 3.6B](image)
3.7 Master Alarm OUTPUTS

If using dry contacts to connect the APs to a BMS, use the same wiring method/logic as with the INPUTS. It is important that the wiring for each alarm point OUTPUT correlates to the wiring for the alarm point INPUT. See Figure 3.7 below.

Example: MA 1 INPUT connection corresponds to INPUT P1 on the display. MA 1 OUTPUT connection to the BMS would be wired to the MA 1 Output Terminals.

3.7.1 Alarm Outputs via Modbus

For installations that require Alarm Communications via Modbus, the process below should be used in order to communicate AP information between the Master Alarm and the BMS.

Using communication cable/connector type RJ-11 plug into Serial Port #2 on the HMI/PLC (See Figure 3.7.1). Plug the other end of the cable into the device that will be monitoring the APs. Reference page 14 for Modbus Net ID screen configuration.
3.7.2 Setting Up Modbus Net ID

- From the Main Screen Press Menu
- Press Settings
- Enter Password and Enter
- Press Communications Options
- Press Configure Network Settings
- Next to MODBUS Net ID enter 2

Note: The BMS configuration will need to match this setting.

3.7.3 Alarm Outputs via BACnet

- Protocol: BACnet/MSTP
- Network: RS485, 2-wire, 76800 Baud
- MAC ID: 2
- Instance: 32000
- Alarm Output: via Ethernet

Note: Please reference the RTA User Guide for BACnet set-up to BMS.

3.7.4 Alarm Outputs via Ethernet

- Protocol: Ethernet via TCP/IP
- Comm Cable: Use CAT5 STP (shielded twisted pair) cable
- RJ45 Connector, BaudRate 9600
- Network ID: 2
- Drop Line Length: up to 100 meters

4.0 Set-Up & Programming

Important: Ensure all steps in the installation section have been completed properly prior to turning the alarm on.

4.1 Important Electrical Safety Notice Prior To Set-Up

Power-Up the Alarm
The alarm must be properly wired to a reliable power supply prior to energizing the circuit breaker. The circuit breakers ON and OFF positions are achieved by depressing the 2-Amp circuit breaker button until a distinct click is heard - and then releasing.
### 4.2 Initial Set-Up

Note: The following steps/photos are for reference only. Set-up may not correlate with the pictures below.

<table>
<thead>
<tr>
<th>Step</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Turn on the alarm and verify that the Select Language Screen is displayed. Press the English button and press the arrow to move to the next screen (bottom right of screen).</td>
</tr>
<tr>
<td>2</td>
<td>Press the Date button, enter today’s date and press Enter. Press the Time button, enter the time (24-hour format) and press Enter. Press right arrow.</td>
</tr>
<tr>
<td>3</td>
<td>Press the Monitored Zone Name button (blue box), enter “XXXX” (maximum characters list noted on Screen Header) press Enter. Press right arrow. You will now be in the FACILITY NAME screen.</td>
</tr>
<tr>
<td>4</td>
<td>Press the Name button, enter “XXX”, and press Enter. Press the City button, enter “XXX”, and press Enter. Press State/Providence button, enter “XXX”, and press Enter. Press the Country button, enter “XXX”, and press Enter. Press right arrow. You will be in DEALER INFORMATION screen.</td>
</tr>
<tr>
<td>5</td>
<td>Input dealer/distributor information as required. When done, press right arrow. You will be at the Main Menu.</td>
</tr>
<tr>
<td>6</td>
<td>Password Change (if required) Press the Settings button, Enter 1111.</td>
</tr>
<tr>
<td>7</td>
<td>Change the SILENCE DURATION time (if required), which will silence the alarm for a maximum of 59 minutes and 59 seconds before sounding again. Setting the silence duration to 00:00 will disable the silence feature. Settings &gt; System Settings [Enter PW] &gt; Silence Duration</td>
</tr>
</tbody>
</table>

- Press Systems Setting button
- Press the Change Password Button
- Enter 1111 or current password
- If you wish to change the password, do so here
- Press ESC
4.3 Programming, Configuration & Setting-Up Alarm Points

a) Press the Menu button. Press the Settings button. Enter the Password then Enter. Press the Configure Alarm Points button.

b) Press the blue box to the right of the Number of Alarms to set or change the total number of APs to be displayed (See Figure 4.3) on the screen (may enter 1 – 30 APs). The alarm may sound (the main screen will come up at this point). Press the silence button at the lower right portion of the HMI to silence the alarm.

To Set the Alarm Point Name

Press the blue EDIT SIGNAL TEXT button to change ASSIGN the name of the alarm point. A Preprogrammed Label from the list of names may be chosen by tapping the ASSIGN button or choose Create Custom Label – to create a custom label. The two options are discussed below.

Note: A preprogrammed label may be chosen (from an NFPA Recommended List of AP names) or edited to conform to local requirements. To choose a preprogrammed label, simply scroll through the label names and tap the blue Assign button when the desired label is seen. To create a custom label – see next page.
Creating a Custom AP Label

A custom label may be created from scratch by pressing the blue ASSIGN button next to Create Custom Label at the top of each list of preprogrammed label options. Creating a custom label may require a different name length for 10, 20 and 30 Alarm Point Screen-Viewing.

Note: Up to forty (40) characters may be entered for 10 alarms view per screen, twenty-four (24) characters for 20 alarms view per screen, and sixteen (16) characters for 30 alarms per screen. An example display for each option is shown on the left. An example of the views per screen shown in Figure 4.3B.

![FIGURE 4.3B]

Alarm Active State Setting (N.O. or N.C.)

**To set one AP at a time:**
The Alarm Active State setting allows any AP to be set to a Normally Open [N.O.] or Normally Closed [N.C.] position.

**To set all APs the same:**
Instead of individually selecting N.O./N.C. for each and every AP. The Set All Points button sets all points to the same state. To perform this, select N.O. or N.C. for one AP and then Press and hold the blue button on the right for four (4) seconds.

![FIGURE 4.3C]

![FIGURE 4.3D]
How to Place an AP into Maintenance Mode

The Maintenance Mode option allows maintenance to be performed on selected APs - canceling the audible alarm for a particular AP.

An alarm point placed into Maintenance Mode is displayed on the Main Screen in black lettering with a yellow background. Once the root cause is fixed – the alarm point may manually be taken out of Maintenance Mode.

[FIGURE 4.3E]

Alarm Event Log

Pressing the Event Log button from the MAIN MENU screen allows viewing of the alarm points EVENT LOG. In this screen, the history of ALL APs or individual APs may be viewed or cleared. To view activity of all APs, press on the blue VIEW ALL EVENTS button in the upper middle portion of the HMI. To view activity of individual points, press the small blue VIEW LOG to the left of the associated AP.

View ALL AP Log

Pressing on the VIEW ALL EVENTS button shows the event history of all APs in chronological order. For each event, the (1) status and (2) timestamp is shown.
Clear Log for ALL APs
To clear the history of ALL the APs, press the blue Clear Log button in the upper right hand of the HMI. This clears all history, and the history for individual points will no longer be available.

View Single AP Log
Pressing the VIEW LOG button to the left of INPUT point name will show the event history of that individual AP. The screen will look identical to the VIEW ALL EVENTS option, but will only show the single point alarm/event history.

Clear Log for a Single AP
To clear the history, press the Clear Log button in the upper right hand of the HMI. This will only clear the history for the individual AP selected. The other points’ histories may still be viewed within their individual View Log or within the VIEW ALL EVENTS option.

INFORMATION – Test APs: Required for Certification

Test APs
The Test Alarms button tests the audible and visual cues of an alarm condition. To test the alarm, press and hold the Test Alarm button for approximately 4-5 seconds. The alarm should sound, accompanied by displacing red/white flashing visual indicators for ALL Inputs, and an audio symbol in the lower right-hand portion of the HMI. To silence the alarm, press the flashing audio symbol in the lower right portion of the screen. In approximately ten (10) seconds after the alarm begins, the monitor will resume previous conditions.
Other Settings

Configure Display

From the Main Menu (Settings [Enter PW] > Display Settings > Configure Display) press the blue Configure Display button. Select the desired Alarms Per Screen in conjunction with the Screen Appearance setting. An example of every display option is shown below. The display option has no effect on the monitor’s performance.

Scroll Time

From the Main Menu press Settings [Enter PW] > Press Enter > Display Settings. At the bottom of the screen, press the blue box adjacent to Scroll Time to enable the pop up keyboard. The scroll time must be entered in the proper minutes/seconds format. The maximum value that may be entered into the box is 59:59. The default scroll time is 15 seconds.

Note: If any input sustains an alarm condition, the scroll feature will be disabled. Screens will only be allowed to scroll if all alarm conditions are corrected, or if all alarm inputs in an alarm condition are placed in Maintenance Mode.

Factory Reset: Please contact Ohio Medical for Factory Reset.

5.0 Specifications

General

- 12.1" Liquid crystal display (LCD)
- Supply power: 100v-240v AC
- 2A circuit breaker protected
- Alarm point inputs: up to 30pts
- Dry contacts: 30 (optional)
- Remote alarm communications: Modbus (standard); BACnet (optional); Ethernet (optional)
- Fully complies with NFPA® 99
- Manufactured in an iso 9001 and 13485 environment
- Enclosure materials constructed of heavy duty steel
- Alarm conditions shall be identified via audible alarms and visual indicators
- Audible alarm-point silence button provided to silence the alarm (field adjustable duration)
- Adjustable audible alarm horn
- Audible alarm is to remain in an alarm state until the condition that initiated the alarm condition is corrected
- Visual alarm-point indicators shall illuminate and/or flash even if the audible alarm is silenced and, to remain in an alarm state until the condition initiating the alarm is corrected
Panel settings (completely field adjustable and password protected)

- All settings accomplished via front screen panel
- Selectable English or Spanish instructions
- Password protected (with customer chosen passwords) at general, set-up and maintenance levels
- Field adjustable 0-30pt alarm set-up/viewing
- Adjustable N.O./N.C. Input selection with set-all feature
- Adjustable 10pt, 20pt or 30pt; per-screen-viewing
- Defaults to all points view in an alarm condition
- Pre-configured or customizable alarm point names
- Auto scroll with manual scroll options for non-alarm condition viewing
- Alarm point events are logged and may be viewed/cleared as individual or all alarm events
- Maintenance mode for set-up and alarm point maintenance

6.0 Dimensions

7.0 Part Numbers & Spare Part Numbers

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Number Description</th>
<th>Spare Part Number</th>
<th>Spare Part Number Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>263748</td>
<td>Alarm, Master, HMI 30 Point</td>
<td>263643</td>
<td>I/O Module, Remote 16 Relay Output</td>
</tr>
<tr>
<td>263748-C</td>
<td>Alarm, Master, HMI 30 Point with Dry Contacts</td>
<td>263651</td>
<td>HMI/PLC, 12.1&quot; Color Touchscreen</td>
</tr>
<tr>
<td>263748-B</td>
<td>Alarm, Master, HMI 30 Point with BACnet</td>
<td>263652</td>
<td>Ethernet Card</td>
</tr>
<tr>
<td>263748-E</td>
<td>Alarm, Master, HMI 30 Point with Ethernet</td>
<td>263654</td>
<td>I/O Module, Snap-In 3V Digital</td>
</tr>
<tr>
<td>263748-CE</td>
<td>Alarm, Master, HMI 30 Point with Dry Contacts &amp; Ethernet</td>
<td>263660</td>
<td>Adapter, I/O Expansion Module</td>
</tr>
<tr>
<td>263748-CB</td>
<td>Alarm, Master, HMI 30 Point with Dry Contacts &amp; BACnet</td>
<td>263668</td>
<td>Battery, Lithium, Button Cell, 3V</td>
</tr>
<tr>
<td></td>
<td></td>
<td>263669</td>
<td>Buzzer, Panel Mount 22mm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>263670</td>
<td>Power Supply, 240Vac/24Vdc</td>
</tr>
<tr>
<td></td>
<td></td>
<td>263671</td>
<td>Fuse Modular Terminal Block, Circuit Breaker</td>
</tr>
<tr>
<td></td>
<td></td>
<td>263672</td>
<td>Thermal Device Circuit Breaker</td>
</tr>
<tr>
<td></td>
<td></td>
<td>263687</td>
<td>BACnet Ms/Tp Gateway</td>
</tr>
<tr>
<td></td>
<td></td>
<td>263662</td>
<td>Communication Cable, PLC To I/O Expansion Module Adapter, 1 Meter</td>
</tr>
</tbody>
</table>
8.0 Battery Replacement

The battery is provided within the HMI to maintain user settings in the event of a power loss. When replacing the battery, ensure the unit is powered on. Open the battery cover in the back of the HMI (See Figure 8.0). Remove the old battery and replace with the appropriate battery. Install the new battery with the “+” pointing out. Close the battery cover.

To clear the low battery warning (displayed on the lower left corner of the HMI), power must be turned off for a minimum of 20 seconds. Turn power back on to the Master Alarm to complete the procedure.

**Figure 8.0** Replacement Battery
## 9.0 Troubleshooting

The table below lists potential problems that the user may encounter when operating the Ohio Medical Gas Color LCD Touch Screen Master Alarm along with corresponding potential causes and solutions. If further assistance is required, please contact Ohio Medical Customer Service at (800)-448-0770.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Potential Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Power</td>
<td>AC power to the unit not available</td>
<td>Check AC incoming wiring at power supply terminal</td>
</tr>
<tr>
<td></td>
<td>Blown fuse at building panel</td>
<td>Check the building’s primary electrical panel to ensure circuit breaker is ON</td>
</tr>
<tr>
<td></td>
<td>Power Supply module breaker in OFF position</td>
<td>Check that the 2A circuit breaker for the alarms power supply in the ON position (clicked in)</td>
</tr>
<tr>
<td>No Audible Alarm</td>
<td>Connectors on back of horn loose</td>
<td>With the 2A circuit breaker in the OFF position, check the connectors on the back of the alarm horn. Note: The alarm horn is located in the lower right hand corner of the box</td>
</tr>
<tr>
<td>HMI does not illuminate</td>
<td>AC power is not turned on</td>
<td>Check AC power source</td>
</tr>
<tr>
<td></td>
<td>AC power wiring is not connected or reversed</td>
<td>Check AC incoming wiring at power supply terminal</td>
</tr>
<tr>
<td></td>
<td>Faulty power supply assembly</td>
<td>Replace power supply</td>
</tr>
<tr>
<td>Alarm won't stop sounding, or sounding too frequently</td>
<td>Alarm Active Status in wrong state (N.O. or N.C.)</td>
<td>Check the source equipment for the point(s) of interest, and change the Alarm Active State (N.O. or N.C.)</td>
</tr>
<tr>
<td></td>
<td>Silence Duration set too short</td>
<td>Check the Silence Duration time under system settings and change to desired time</td>
</tr>
<tr>
<td></td>
<td>Wrong alarm conditions set for source equipment</td>
<td>Check the source equipment's alarm signaling conditions, and program as required</td>
</tr>
<tr>
<td>Low battery visual and audible alert showing on HMI</td>
<td>Depleted battery</td>
<td>To change battery, reference Section 8.0</td>
</tr>
</tbody>
</table>
10.0 Wiring Diagrams