Important!

Mircom recommends that the entire system be completely tested on a regular basis. However, despite frequent testing and due to but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected.

LT- 2013MIR   Rev.0

INSTALLATION INSTRUCTIONS

SGM-2200-2 NAC Expander for FX-2200 Fire Alarm Control Panel

The SGM-2200-2 provides two additional NAC output circuits to the FX-2200 panel. This publication describes the physical installation procedure for the NAC Expander.

Parts List

- Qty 1 ... SGM-2200-2 module
- Qty 4 ... No. 4 screws
- Qty 1 ... Lock washer
- Qty 1 ... Ribbon Cable
- Qty 2 ... 10KΩ End-of-Line Resistor

Installing the SGM-2200-2 Module

The SGM-2200-2 module mounts inside the FX-2200 Fire Alarm Control Panel on the back plate in one of the three expander locations.

1. Position the SGM-2200-2 Module in the upper most empty expander module location.

2. Secure the module to the back plate using the No. 4 screws and lock washer (provided). Use the lockwasher on the plated mounting hole (see Figure 1 for location).

3. Connect an unused Vbell to VB+/VB-. Vbell is TB5 on the Main Board. Connect "+" to "+" and "-" to "-". Use 18 AWG twisted pair for wiring. Route wires as shown in Figure 1.

4. Connect Ribbon Cable to panel or previous expander module.

   NOTE: *This component must be included in the control panel battery calculation. Refer to the Battery Calculation Sheet in the FX-2200 Installation Manual (LT-2000MIR) included with the control panel.*

FX-2200 Back Box

Dead Front

Mounting Plate

DACT BD
OR
CITY BD

MAIN BOARD

Service / Printer Port

TB1

Network Card

DISPLAY BD

DISPLAY HARNESS

Main Display

TB2

Exp. Wiring

NAC Expansion

NAC Power

VB-
VB+

Expansion Module

NAC BD
OR
RELAY BD

TB3

NAC BD
OR
RELAY BD

TB4

LED DISPLAY

BAT+
BAT-

Bridge +
Bridge -

Vbel 3
Vbel 2
Vbel 1

TB5-6 Pos
Terminal Block

RECTIFIER

XFORMER

XFORMER
(optional)

T/B

BATTERY

BATTERY
(optional)

SGM-2200-2 NAC EXPANDER

**Plated Mounting Hole
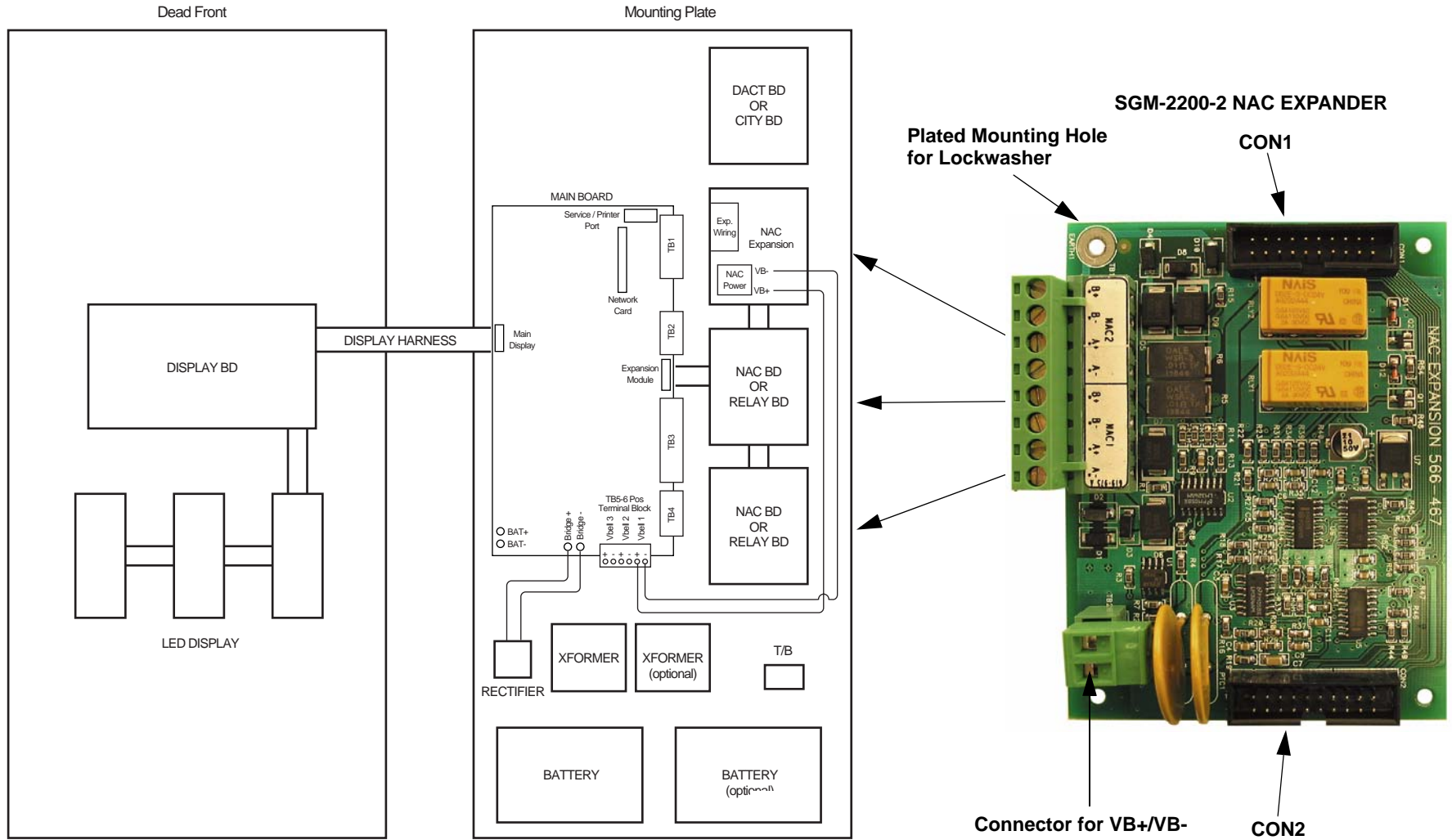for Lockwasher**

CON1

Connector for VB+/VB-

CON2

Figure 1. SGM-2200-2 NAC Expander Installation