866 CLASS B NOTIFICATION MODULE
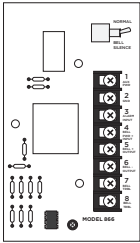
Installation Guide

Figure 1: 866 Module

DESCRIPTION

The 866 Notification Module provides one 5 Amp Class B notification circuit for supervising listed, polarized notification devices such as bells, strobes, and horns.

What is Included?

- One 866 NAC Module
- One Model 308 10k Ohm Resistor with Leads
- Hardware Pack

1 MOUNT THE MODULE

The module can be mounted in a DMP enclosure using the standard 3-hole mounting pattern. Refer to Figure 2 as needed during installation.

1. Hold the plastic standoffs against the inside of the enclosure side wall.
2. Insert the included Phillips head screws from the outside of the enclosure into the standoffs. Tighten the screws.
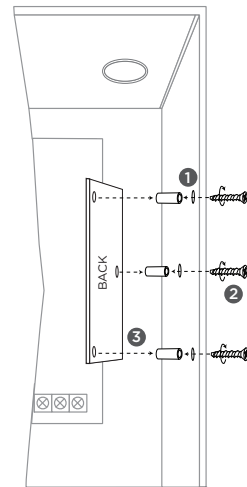3. Carefully snap the module onto the standoffs.

Figure 2: Standoff and Module Installation

2 WIRE THE MODULE

⚡ **Caution:** Disconnect all power from the panel before wiring the module. Failure to do so may result in equipment damage or personal injury.

For power connections, use 22 AWG or larger wire. Refer to Figure 3 and Figure 4 when wiring the module.

📝 **Note**: To wire the 866 to the XF6 Fire Control Panel, refer to the XF6 Installation and Programming Guide ([LT-2777](#)).

To install the module on an XT or XR Series panel, follow the steps below.

1. Connect module Terminal 1 to panel Terminal 7.
2. Connect module Terminal 2 to panel Terminal 10. Connect module Terminal 2 to power supply negative if power supply is being used.
3. Connect module Terminal 3 to panel Terminal 5.

📝 **Note**: Module Terminal 3 only uses 12VDC+ trigger.

4. Wire power supply positive to module Terminal 4. The 866 can operate using 12 VDC or 24 VDC.
5. Connect module Terminal 5 to bell output positive.
6. Connect module Terminal 6 to bell output negative.
7. Install the included 10k Ohm EOL resistor across module Terminals 5 and 6.
8. Wire module Terminals 7 and 8 to a normally closed zone.
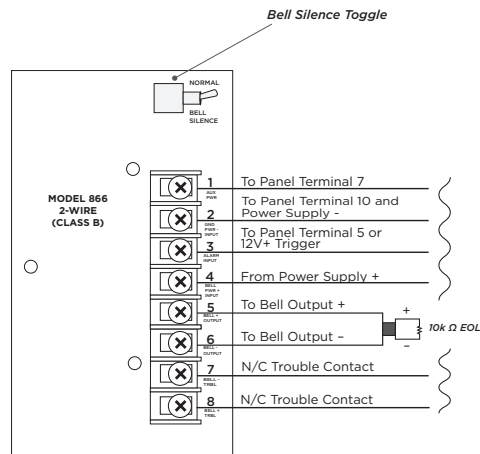
Figure 4: XT/XR Series Class B Wiring Connections

To install the module on an XF6 Series panel, follow the steps below.

1. Connect module Terminal 1 to panel keypad bus Red.

2. Connect module Terminal 2 to panel keypad bus Black.

3. Connect module Terminal 3 to Normally Open panel relay output. Connect Common terminal of the panel relay output to keypad bus Red terminal.

4. Wire power supply positive to module Terminal 4. The 866 can operate using 12 VDC or 24 VDC.

5. Connect module Terminal 5 to bell output positive.

6. Connect module Terminal 6 to bell output negative.

7. Install the included 10k Ohm EOL resistor across module Terminals 5 and 6.

8. Wire module Terminals 7 and 8 to a normally closed zone.
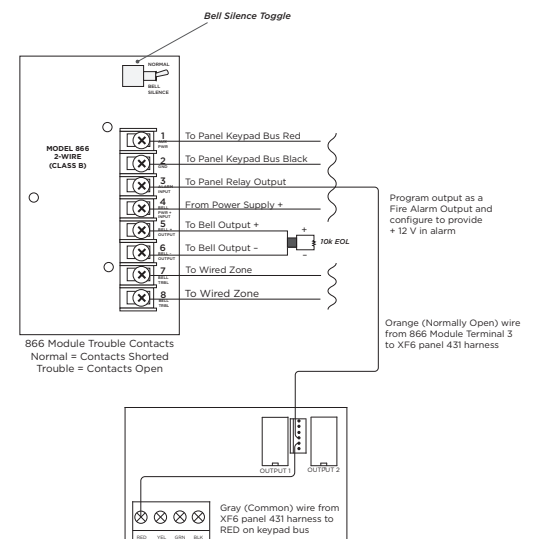
Figure 3: XF6 Series Class B Wiring Connections

ADDITIONAL INFORMATION

Programming

Program the trouble contacts on the module and the auxiliary power supply as a Supervisory Zone (SV) selected for display in the keypad status list. Refer to the appropriate panel programming guide or the DMP Troubleshooting Guide (LT-1866) for more information.

Auxiliary Power Supply Supervision

The panel supervises the regulated, power limited auxiliary power supply listed for Fire Protective Signals through the normally closed trouble contacts on the power supply. The power supply trouble contacts connect to Terminals 7 and 8 on the module. The module provides a relay and two bell trouble contacts at Terminals 7 and 8 to connect the zone input from the panel. When the bell circuit is in a bad condition, these terminals provide an open condition to the zone. These trouble contacts are rated for up to 2 Amps at 30 VDC resistive. An open circuit causes an open condition to be reported to the panel. For wiring information, refer to Figure 3.

Bell Silence Toggle

A bell silence toggle prevents the indicating device from sounding during a system test. When the Bell Silence position is selected, a 15-second delay occurs before the module bell trouble contacts open. After testing, return the bell silence switch to the Normal position to return the module to normal operation.

866 CLASS B NOTIFICATION MODULE

Specifications

Operating Current (from panel)
Standby:	45 mA
Alarm:	76 mA
Input Current	12 VDC or 24 VDC
Alarm Contact Rating	5 Amps @ 24 VDC resistive
Trouble Contact Rating	2 Amps @ 30 VDC resistive
Maximum impedance	100 Ohms
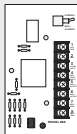
Ordering Information

Compatibility

XT30/XT50 Control Panels

XR Series Control Panels

XF6 Series Fire Control Panels

Certifications

California State Fire Marshal (CSFM)

New York City (FDNY)

Underwriters Laboratory (UL) Listed

ANSI/UL 1023	Household Burglar Alarm System Units
ANSI/UL 985	Household Fire Warning
ANSI/UL 864	Fire Protective Signaling Systems 10th Edition