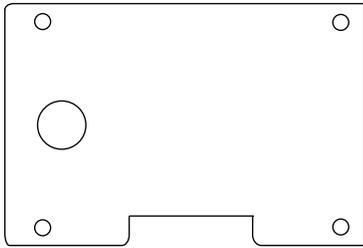# 505DC-PLATE MOUNTING PLATE

Installation Guide

505DC-PLATE Mounting Plate

DESCRIPTION

The 505DC-PLATE Mounting Plate is designed to install a DualComNF Fire Communicator into a 505-12 power supply enclosure.

Compatibility

- DualComNF Network Universal Fire Communicator

What is Included?

- One 505DC-PLATE Mounting Plate
- Hardware pack

1 INSTALL THE MOUNTING PLATE

During mounting plate installation, refer to Figure 1 and Figure 2.

1. Use three of the included screws to mount the back side of the 505DC-PLATE to the upper right side of the 505-12 enclosure using the 3-hole mounting pattern.

2. Remove the tamper tab from the back of the DualComNF housing and run the network cable through the Network Connection port (A).

3. Use four included Phillips screws to secure the DualComNF to the 505DC-PLATE through the mounting holes (B). Tighten screws in a crisscross pattern. Do not overtighten.

4. Observe polarity and wire the - DC + terminals of the 505 Power Supply to the - DC + terminals of the DualComNF. Refer to the DualCom Series Programming and Installation Guide (LT-1859) to finalize installation.
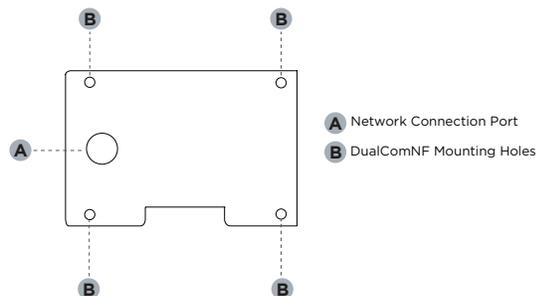

A — Network Connection Port
B — DualComNF Mounting Holes

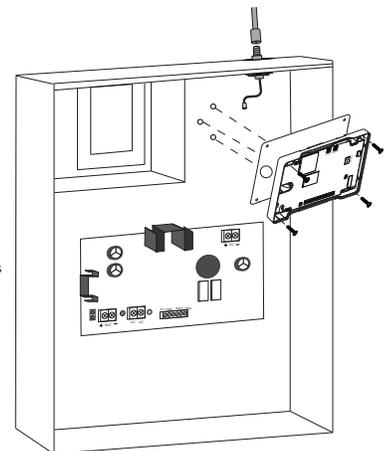**Figure 1: Mounting Hole Locations**

Figure 2: Final Installation

2 WIRE THE COMMUNICATOR

When connecting component wires, route all wires so they will not interfere with the tamper switch. See Figure 3 for wire routing options.

DualComNF SMA Connector

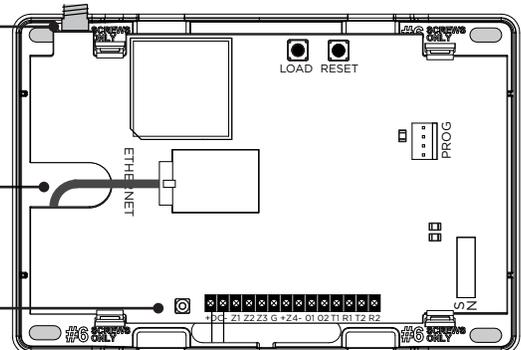*Network (Routed behind Backing Plate)*

Tamper

Figure 3: DualComNF PCB

3 CONNECT THE ANTENNA

During antenna installation, refer to Figure 4.

1. Attach one end of the included coax cable to the DualComNF connector.

2. Remove the knockout hole at the top of the enclosure and position one washer onto the other end of the coax cable and push the threaded end through.

3. Position the second washer onto the threaded end that extends through the antenna knockout hole and secure the nut. Twist the antenna until it is securely tightened.
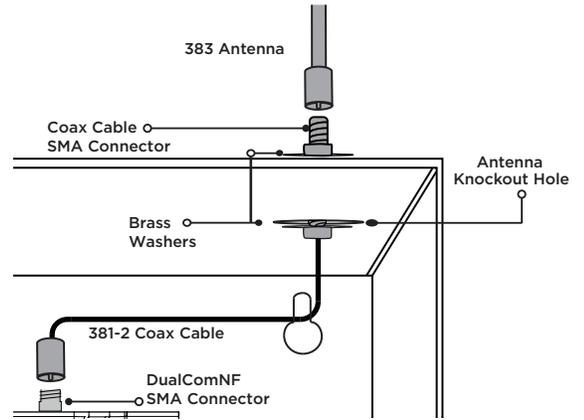

Figure 4: Antenna Installation

4 CONNECT AC AND BATTERY TROUBLE RELAYS TO THE DUALCOMNF

1. Connect AC TRBL relay outputs from NC (normally closed) and C (common) to one available zone with a 1k resistor added in series and the ground on the DualComNF and program as a Supervisory zone.

2. Connect BATT TRBL relay outputs from NC (normally closed) and C (common) to one available zone with a 1k resistor added in series and the ground on the DualComNF and program as a Supervisory zone.

3. Replace the housing cover on the mounted base. Be sure to not damage any PCB components when removing or replacing the housing cover.
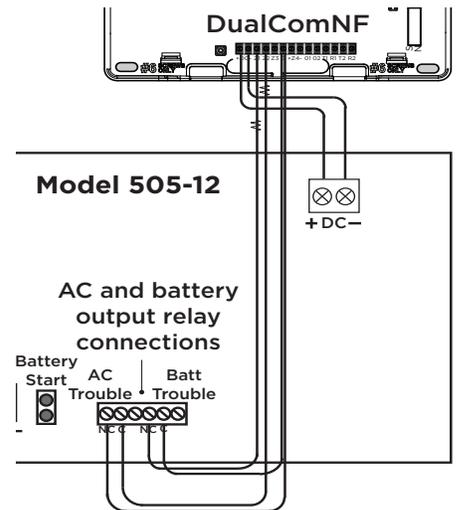

Figure 5: 505-12 Power Supply to DualComNF Connection

ADDITIONAL INFORMATION

Wiring Specifications

Use 18 AWG or larger for all power connections. Ensure there is a minimum 0.25" space to keep power limited wiring separate from non-power limited wiring (120 VAC/60 Hz input, battery wires). Properly ground the power supply before connecting any devices or applying power to the unit.

AC and Battery Relay Status

Relays are form C with the contacts rated at 30VDC. When an AC trouble or battery trouble occurs, the relay contacts switch from the NC (normally closed) to the NO (normally open) position. When connected to a panel, an alarm sounds.

505DC-PLATE MOUNTING PLATE

Specifications

Dimensions	5.8" W x 3.6" H
	14.73 cm W x 9.14 cm H
Material	Galvanized Metal

Compatibility

DualComNF Network Universal Fire Communicator

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