

## PRODUCT INFORMATION

### DESCRIPTION

These Installation Instructions explain how to convert a MICRO 1-EV™ control unit into a standard functioning Kidde AEGIS-XLT control unit, housed in the existing MICRO 1-EV enclosure. This procedure requires the purchase of an AEGIS-XLT control unit Retrofit Kit for each MICRO 1-EV control unit to be retrofitted.

For a more detailed view of the installation, refer to drawing 84-40480017, included with the Mounting Plate and Hardware Kit (P/N 84-40480017).

### PARTS INCLUDED IN KIT

The following parts are contained in the Retrofit Kit:

- 84-70101668 Circuit Board and Power Supply
- 84-40480017 Mounting Plate and Hardware Kit
- 06-231867-510 Inside Door Label
- 06-231867-521 Outside Door Label

The 84-40480017 Mounting Plate and Hardware Kit contains:

- One mounting plate
- Three brackets for the Circuit Board Assembly
- One bracket for the power supply
- Twelve #8-32 x 3/8" screws
- Twelve #8 lock washers
- Three #8-32 hex nuts
- Three #6-32 x 3/16" screws
- Seven #6 lock washers
- Four #6-32 hex nuts
- Two copies of drawing 84-40480017

### REQUIRED TOOLS

- Safety glasses (recommended)
- Screwdriver, Phillips
- Wire strippers
- Ground strap

## ORDERING INFORMATION

Part Number	Description
84-20100248	AEGIS-XLT Retrofit Kit (includes Circuit Board Assembly, Mounting Plate and Hardware, inside and outside door labels)
84-70101668	Circuit Board Assembly and Power Supply
84-40480017	Mounting Plate and Hardware
06-231867-510	Inside Door Label, AEGIS-XLT
06-231867-521	Outside Door label - AEGIS-XLT

**Note:** For complete installation information, refer to the Kidde AEGIS-XLT Installation, Operation, and Maintenance manual, P/N 06-237464-001, Chapter 2, Installation. It may be necessary to order additional parts for complete Kidde AEGIS-XLT functionality. For example, smoke detectors and heat detectors need to be from the compatible devices list in Appendix B.

MICRO 1-EV is a trademark of Chemetron Fire Systems.

These instructions do not purport to cover all the details or variations in the equipment described, nor do they provide for every possible contingency to be met in connection with installation, operation, and maintenance. All specifications are subject to change without notice. Should further information be desired, or should particular questions arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to Kidde-Fenwal, Inc. 400 Main Street Ashland, MA 01721. Phone: 508-881-2000 Fax: 508-881-8920.  
www.kiddefiresystems.com

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## MICRO 1-EV™ to AEGIS-XLT Upgrade Installation Instructions



## CAUTIONS AND WARNINGS



Wear safety goggles when performing this procedure.



Two different sources of power can be connected to the Kidde control unit. Disconnect both sources of power and critical components such as control heads for special extinguishing systems and addressable pilot relays controlling facility power shutoff before beginning this procedure. The control unit and associated equipment may be damaged by connecting wiring while the control unit is energized.



Use a ground strap to prevent static discharge damage to electronic components.



To ensure proper system operation, the system must be retested in accordance with NFPA 72 Chapter 10 after any addition or deletion of system components and after any modification, repair or adjustment to system hardware or wiring. All components, circuits, and system operations known to be affected by a change must be 100% tested. In addition, to ensure that other operations are not inadvertently affected, test at least 10% of initiating devices that are not directly affected by the change, up to a maximum of 50 devices, to ensure proper system operation.

## INSTALLATION INSTRUCTIONS

### PREPARATION

1. Record any configuration information before powering down.
2. Locate and mark all wire connections.
3. Disconnect wire connections from MICRO 1-EV circuit board.
4. Remove existing printed circuit board.
5. Leave standoffs mounted on the left side of the existing back panel.

### INSTALLATION PROCEDURE

1. Mount the AEGIS-XLT mounting brackets to the existing back panel using three #8-32 x 3/8" screws and three #8 internal tooth lock washers.
2. Mount the AEGIS-XLT circuit board to the existing standoffs using three #6-32 x 3/8" screws and three #6 lock washers.
3. Install mounting bracket with #8-32 x 3/8" screw, #8 lock washer and #8-32 hex nut.
4. Mount the new power supply to the mounting plate, using the power supply bracket, two #8-32 x 3/8" screws, two #8 lock washers, one 6-32 x 3/16" screw and one #6 lock washer.
5. Mount power supply assembly to existing back panel using four #8-32 x 3/8" screws and four #8 lock washers, or four #6-32 hex nuts.
6. Apply the Inside Door Label (P/N 06-231867-510) over the existing inside door label. Apply the Outside Door Label (P/N 06-231867-521) over the MICRO 1-EV logo on the front of the door.
7. Refer to AEGIS-XLT Installation, Operation and Maintenance Manual, P/N 06-237464-001, for wiring instructions and programming. Note previous wire locations and tags.

**Note:** Extra hardware has been included to accommodate various field configurations.

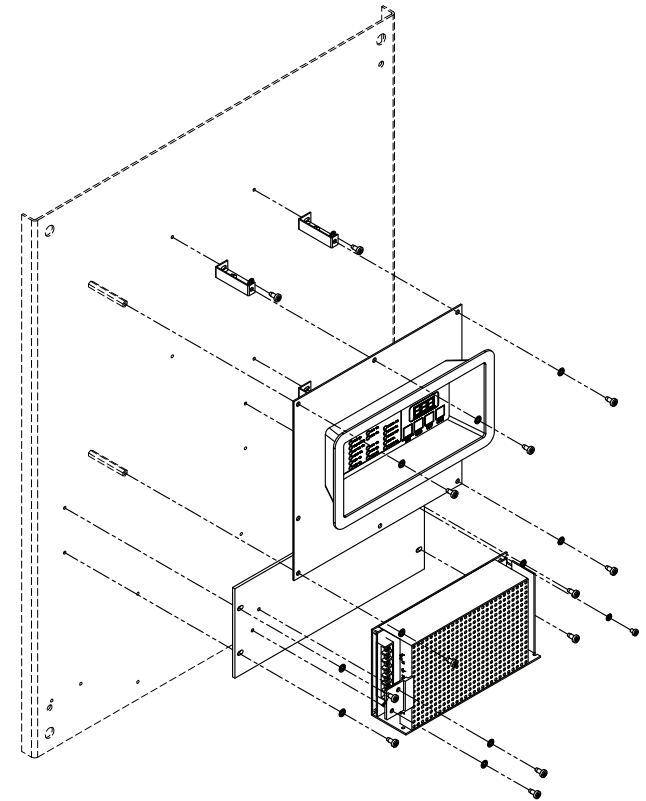


Figure 1: Installation Diagram