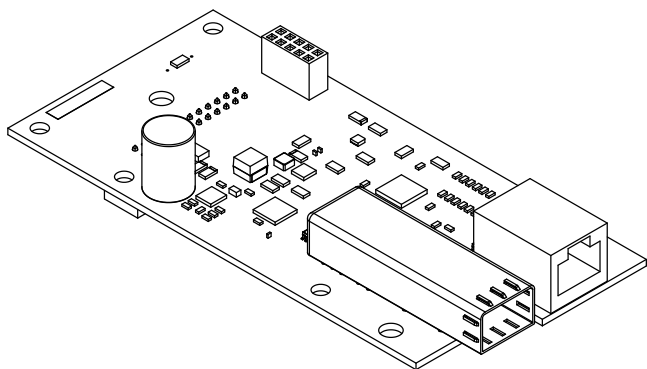


EVOLVE-MEDIA1 Media Converter Module Installation Sheet



Description

The EVOLVE-MEDIA1 Media Converter Module provides an EVOLVE fire alarm control panel with the ability to convert the module's 100BaseTX Ethernet port to any EVOLVE-compatible small form-factor pluggable (SFP) network controller. The EVOLVE-MEDIA1 allows one network interconnection and incorporates:

- One RJ-45 CAT 5e port (Figure 3)
- One SFP network controller port (Figure 3)

Note: For compatible SFP network controllers, see "Specifications".

Installation

Install and wire this device in accordance with applicable national and local codes, ordinances, and regulations.

WARNING: Electrocution hazard. To avoid personal injury or death from electrocution, remove all sources of power and allow stored energy to discharge before installing or removing equipment.

Caution: Circuit boards are sensitive to electrostatic discharge (ESD). To avoid damage, follow ESD handling procedures.

The EVOLVE-MEDIA1 mounts in an expansion slot on the control panel CPU board (Figure 1).

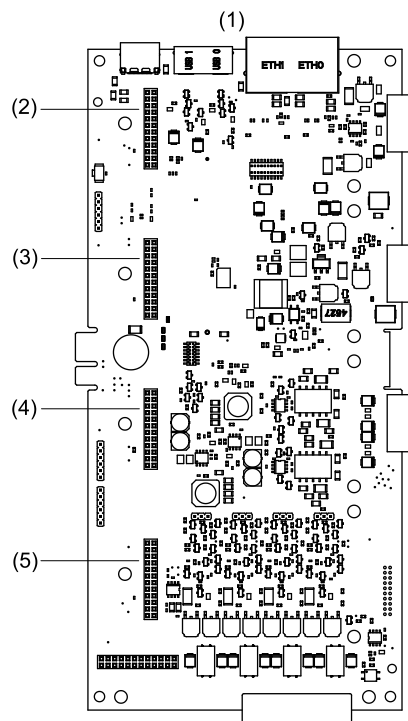
Note: This module is only compatible with Edwards SFP network controllers. The control panel will shut down the SFP output if non-Edwards branded SFPs are used.

To install the EVOLVE-MEDIA1:

1. Power down the panel by first disconnecting the batteries, and then disconnecting the main AC power.
2. Install the provided standoffs into either expansion slot 1, slot 2, slot 3, or slot 4 on the panel CPU board. See Figure 1.
3. Align the EVOLVE-MEDIA1 mounting standoff holes to the installed standoffs and its connector pins to the expansion slot, and then gently push the pins into the expansion slot (Figure 2).
4. Secure the EVOLVE-MEDIA1 to the standoffs using the hardware provided. See Figure 2.
5. Connect the field wiring. See "Wiring".

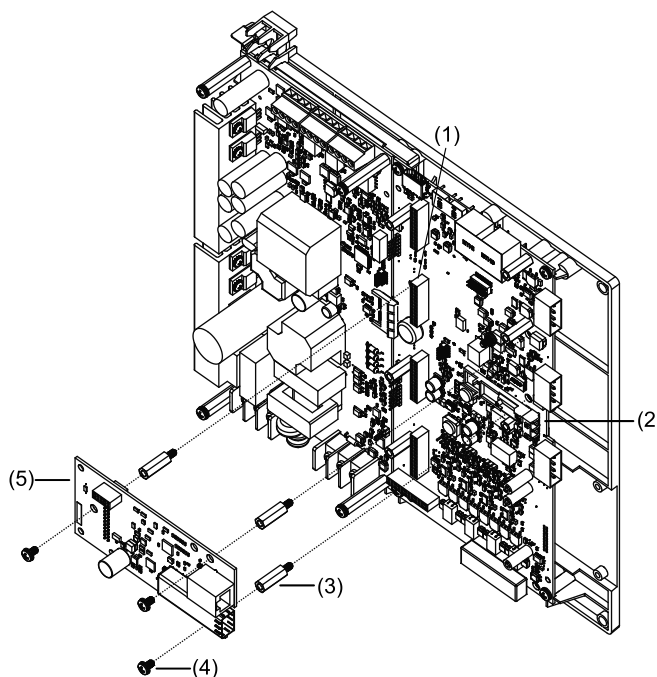
6. Power up the panel by first connecting the main AC power, and then connecting the batteries.

Figure 1: Panel CPU board expansion slots



- (1) Panel CPU board (part of the panel main electronics assembly)
- (2) Connector J21 (expansion slot 1)
- (3) Connector J22 (expansion slot 2)
- (4) Connector J23 (expansion slot 3)
- (5) Connector J24 (expansion slot 4)

Figure 2: EVOLVE-MEDIA1 installation (expansion slot 2 shown)



- (1) Connector J22 (expansion slot 2)
- (2) Panel CPU board (part of the panel main electronics assembly)
- (3) #6-32 x 0.688 in. standoff (3X)
- (4) #6 x 7/16 in. screw (3X)
- (5) EVOLVE-MEDIA1

Wiring

Refer to Figure 3 for converter port locations and descriptions. Connect an RJ-45 CAT 5e Ethernet cable or better to the RJ-45 port on the media converter, and then to the ETH0 or ETH1 port on the CPU board.

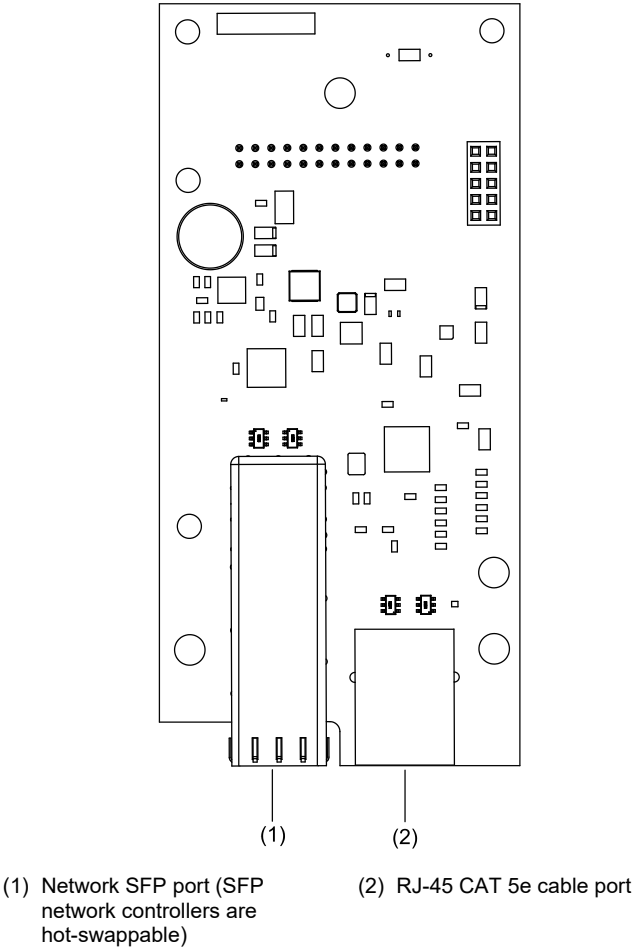
Supported wiring styles include:

- Class A/DLCA
- Class B/DCLB
- Class X/DCLC

Notes

- All wiring is power-limited and supervised.
- Maintain 0.25 in. (6 mm) separation between power-limited and nonpower-limited wiring at all times. Refer to the backbox documentation for details.

Figure 3: EVOLVE-MEDIA1 ports



Specifications

Voltage	24 VDC
Current	
Standby	75 mA at 24 VDC
Alarm/active	75 mA at 24 VDC
Ethernet wiring	RJ-45 CAT 5e cable or better
Compatible SFPs	
Fiber-optics	See <i>EVOLVE-NET Series Fiber Optics SFP Network Controller Installation Sheet</i> (P/N 3103134).
Copper	See <i>EVOLVE-NET-TP Twisted-Pair SFP Network Controller Installation Sheet</i> (P/N 3103151).
Operating environment	
Temperature	32 to 120°F (0 to 49°C)
Relative humidity	0 to 93% noncondensing

Note: Current specification includes an installed SFP module.

Regulatory information

FCC compliance	This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Environmental class	UL/ULC: Indoor dry

Contact information

For contact information, see www.kidde-esfire.com.