

E-IDC1B Analog Single Input Mini Module Installation Sheet

Operation

The E-IDC1B Analog Single Input Mini Module is an analog addressable device used to connect a normally open, alarm, supervisory, or monitor type dry contact initiating device circuit (IDC) to a control panel. This module is designed for Class B circuit operation.

The device address is set using the two rotary switches located on the front of the module. One device address is required.

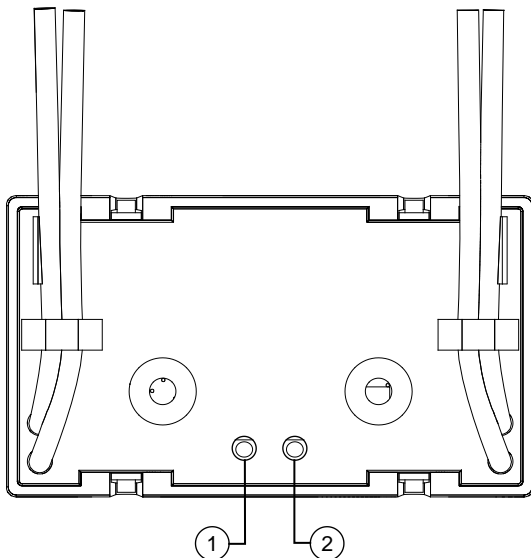
The module is factory set to operate as an alarm-latching device. When the NO contact of an initiating device is closed, an alarm signal is sent to the control panel and the alarm condition is latched at the module.

Additional device types are available through front panel programming or the configuration utility. For additional information, refer to the documents listed on the control panel label.

LEDs

The provides two status LEDs. The LEDs are visible from the back of the module.

Figure 1: LED location



- 1. Red LED: Alarm/active
- 2. Green LED: Normal

Installation

WARNINGS

- This module does not operate without electrical power. As fires frequently cause power interruption, discuss further safeguards with the local fire protection specialist.
- This module does not support conventional two-wire smoke detectors.

Note: The module is shipped from the factory as an assembled unit; it contains no user-serviceable parts and should not be disassembled.

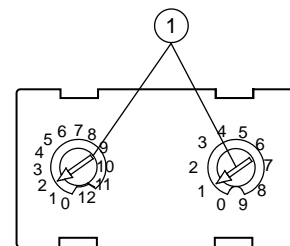
To install the module:

1. Verify that all field wiring is free of opens, shorts, and ground faults.
2. Make all wiring connections as discussed in "Wiring" and shown in Figure 3.
3. Set the required device address. For example, to set the device address for 21, set the TENS switch (marked 0 to 12) to 2 and the ONES switch (marked 0 to 9) to 1. See Figure 2.

The devices can be addressed from 01 to 129. Panel addressing may vary.

4. Position the module into the electrical box, behind the device to which it connects.

Figure 2: Module address



1. Insert screwdriver here

Wiring

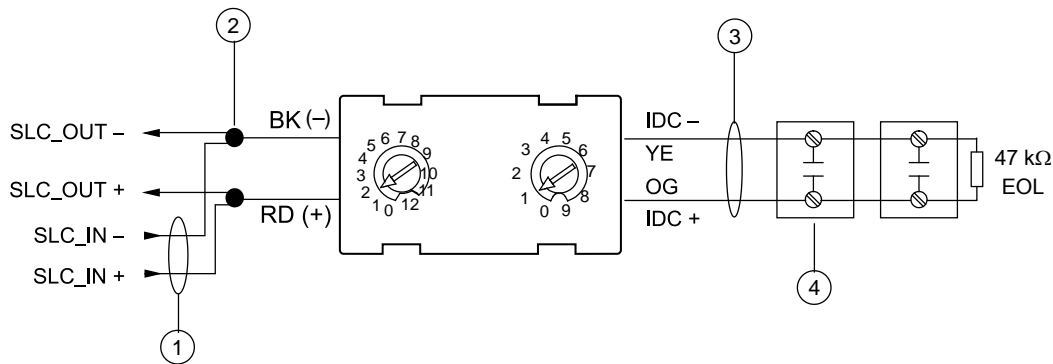
Wire in accordance with NFPA 72 and CAN/ULC-S524, Standard for the Installation of Fire Alarm Systems and in accordance with the local authorities having jurisdiction.

Be sure to observe the polarity of the wires as shown in Figure 3.

All wiring is power-limited and supervised.

This module does not support two-wire smoke detectors.

Figure 3: Module wiring



1. Refer to the control panel technical reference manual for wiring specifications
2. Wire nut or other listed splice connector or terminal block
3. Style B (Class B)
4. Typical NO initiating device

Specifications

Voltage	
IDC maximum	10 VDC at 350 μ A
Communication line maximum	20.6 V peak-to-peak
Current	
Standby	350 μ A
Activated	500 μ A
Ground fault impedance	10 k Ω
Initiating device circuit (IDC)	
EOL resistor value	47 k Ω , (P/N EOL-47)
Circuit resistance	50 Ω (25 Ω per wire), max.
Circuit capacitance	0.1 μ F, max.
Operating environment	
Temperature	32 to 120°F (0 to 49°C)
Relative humidity	0 to 93%, noncondensing
Storage temperature range	-4 to 140°F (-20 to 60°C)

Regulatory information

Manufacturer	Edwards, A Division of UTC Fire & Security Americas Corporation, Inc. 8985 Town Center Parkway, Bradenton, FL 34202, USA
Year of manufacture	The first two digits of the product serial number (located on the product identification label) are the year of manufacture.
Environmental class	UL: Indoor dry
North American standards	UL 864; CAN/ULC-S526

Contact information

For contact information, see our Web site:
www.edwardssignaling.com.