

7165-0328:0196

Product includes a 5 year warranty

**Features**

- 24 VDC monitored output control
- 5.1k ohm EOL
- NAC or releasing control
- LED indicates activation of module
- All terminals are power limited
- Listed with Potter/Amseco®, Gentex®, & Cooper Wheelock® sync modules and devices
- Maximum standby and alarm current, 325 µA
- Temperature range 32°F to 120°F
- Terminals accessible when mounted in electrical box

**Description**

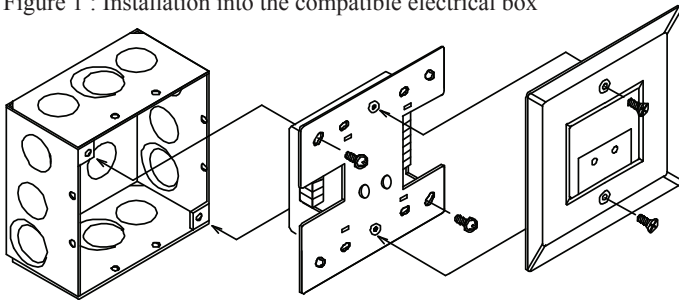
The MOM-4 module provides a programmable source of power to control and operate output devices including notification appliances and releasing devices. Additionally, it continuously supervises wiring connected to terminals A+, A- for open or short circuits and 24+ and 24- when 24VDC is applied.

MOM-4 employs one red LED to indicate the status. In normal condition, the LED flashes. When the output is activated, the LED will turn on constantly. In case of trouble, the LED will turn off.

Since the system allows maximum 13 LEDs on devices to turn on constantly, if system already has 13 lighted LEDs on devices, MOM-4 will not turn on the LED and keep flashing even if the output of MOM-4 is activated.

**Installation**

Figure 1 : Installation into the compatible electrical box



**Setting the Address**

Each addressable module, smoke sensor, heat detector and combination sensor/detector must have the address set before connecting the device to the SLC loop. The address is set using the hand held device programmer or the addressing feature on the control panel.

Before connecting a device to the SLC loop, take the following precautions to prevent potential damage to SLC or device. Verify the following:

1. Power to the device is removed
2. Field wiring is correctly installed.
3. Field wiring has no open or short circuits.

Document discrepancies and notify appropriate personnel.

**⚠ CAUTION**

The relay in MOM-4 may be set to "latched" position during shipment.

The Signal Line Circuit (SLC) must be connected before connecting 24VDC. If power is applied to the terminals 24+ and 24- and the relay is latched, a short circuit of wires connected to terminals A+, A- may damage the module. If this should occur, the performance of the Addressable Module must be verified.

For more information refer to a compatible control panel manual.

**NOTICE**

SLC loop wiring (signal line circuit) is power limited. Power supply for terminals 24+ and 24- must be power limited, so that the wiring for terminals A+, A- is power-limited. All terminals should be wired in accordance with the requirements of NFPA 70 (NEC) and NFPA 72 (National Fire Alarm Code). Failure to follow the wiring diagrams in the following pages will cause the system to not operate as intended. For further information, refer to the control panel installation instructions.

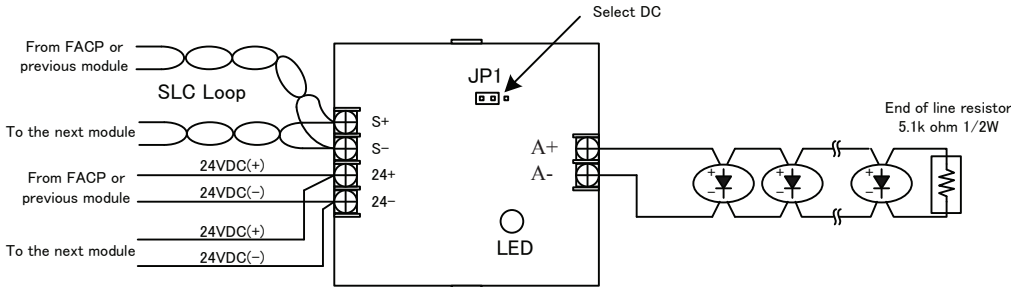
**Wiring diagram**

The following modules can be used when the NACs are synchronized:

- SM-12/24 (Wheelock)
- DSM-12/24 (Wheelock)
- SMD10-3A (Amseco)

Note: Refer to respective Module manuals about connection method, connectable NACs

Figure 2: Output Connected to a Notification Appliance Circuit



When connecting the above-described module-to-module for NAC synchronization:

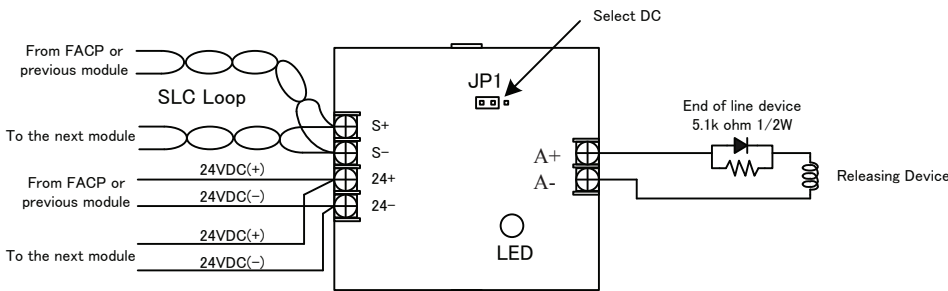
1. The interconnection between equipment shall be within a common enclosure.
2. The circuit connections extended to additional fire alarm control unit equipment shall be made within 20 feet(6.1m) of each other and be enclosed within conduit or equivalently protected against mechanical injury.

When NACs are connected to MOM-4 module, each MOM-4 module shall be separated by Short Circuit Isolators (SCI) to avoid influence from a short-circuit of the SLC Signal Line Circuit.

**Connection as a Releasing Module**

- In the case of using a solenoid valve of NN100 system, connect wires to wiring cable #1 and #3 of the valve, and the soak time setting of the relevant address shall be configured as “5” seconds on the program.
- Only one Releasing Device can be connected per MOM-4 module.
- The Manual Release Function immediately activates the Suppression System in the same zone. It overrides Delay Time and Abort Functions for that zone.

Figure 3: Output Connected to a Releasing Device



**NOTICE**

Before connecting an output device, connect the module to the SLC loop and reset it with the FACP. This is necessary to ensure that the internal relay is unlatched. Connection of the module with this relay in the latched state will activate the output device possibly causing damage.