

FW-MMAUS Wireless Monitor Module

SPECIFICATIONS

Maximum Operating Voltage:	3.3 VDC
Maximum Current Draw:	5.0 mA (LED on)
Average Operating Current:	210uA, 3.9k EOL
EOL Resistance:	3.9K Ohms
Maximum IDC Wiring Resistance:	10 Ohms
Maximum IDC Voltage:	3.2 Volts
Maximum Average IDC Current:	5.5uA
Maximum Transmit RF Power:	17dBm
Radio Frequency Range:	915-928 MHz
Operating Temperature Range:	14°F to 120°F (-10°C to 49°C)
Humidity:	10% to 93% Non-condensing
Battery Type:	4 Panasonic CR123A or 4 Duracell DL123A
Battery Life:	2 year minimum
Battery Replacement:	Upon TROUBLE BATTERY LOW display and/or during annual maintenance
Dimensions:	10.8 cm H x 10.8 cm W x 3.8 cm D
Accessories:	SMB500 Electrical Box (preferred mounting option)

BEFORE INSTALLING

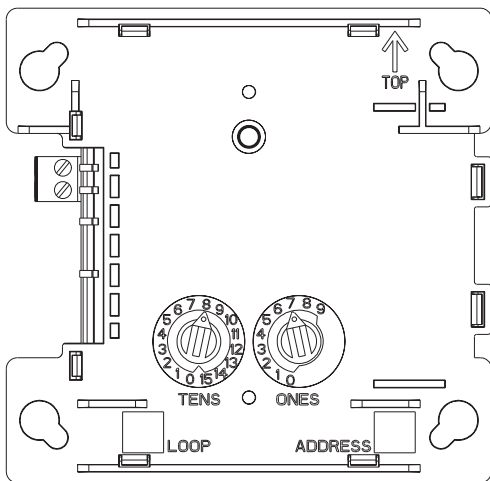
This information is included as a quick reference installation guide. Refer to the control panel installation manual and the SLC Wireless Gateway Manual for detailed system information. If the modules will be installed in an existing operational system, inform the operator and local authority that the system will be temporarily out of service. Disconnect power to the control panel before installing the modules.

NOTICE: This manual should be left with the owner/user of this equipment.

GENERAL DESCRIPTION

The FW-MMAUS Monitor Module is intended for use with a wireless gateway or wireless fire alarm control panel (FACP) to interface with a device having contacts used to signal status conditions. The input to the monitor module is non-latching and does not require a reset. The device communicates through a robust, bi-directional mesh network to the gateway and/or FACP. Rotary switches are provided for setting the module's address. The module has a panel controlled LED indicator. (Figure 1)

FIGURE 1. CONTROLS AND INDICATORS:

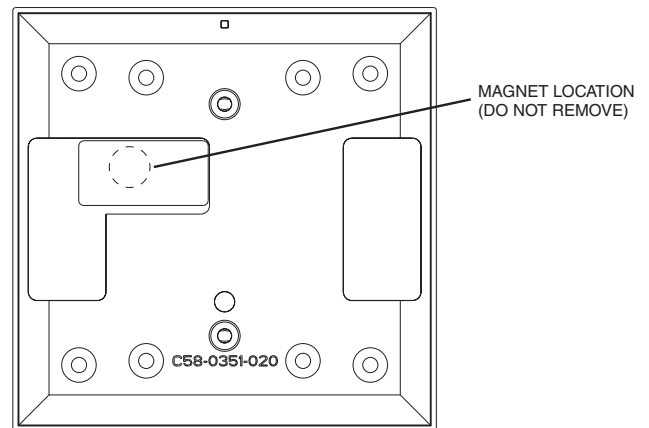


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FACEPLATE

The faceplate includes a magnet for activation and tamper resistance (Figure 2). The faceplate magnet activates communication to the panel, therefore, the faceplate must be installed for the module to work properly. The magnet also activates a supervisory tamper fault at the panel if the nameplate is removed. Do NOT remove this magnet. The faceplate for a wireless module CANNOT be replaced with the faceplate of a standard wired module.

FIGURE 2. FACEPLATE INTERIOR:



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BATTERY REPLACEMENT

Low battery levels on the wireless devices are displayed as a trouble in the FACP. Therefore when the message "TROUBLE BATTERY LOW" is displayed, replace the battery in the device. This message is an indication that approximately one week of battery life remains. During annual maintenance it is recommended to check the battery life using SWIFT Tools.

To replace the batteries in a wireless device use the following steps:

1. Have 4 CR123A (or DL123A) batteries available
2. Remove the faceplate from the module.
3. Open the battery compartment refer to Figure 3.
4. Remove the used batteries and replace with new batteries. The battery compartment indicates the correct orientation of the batteries. Carefully align the batteries with these markings and do not force them into place.
5. Replace the battery compartment cover.
6. Replace the faceplate.

COMPATIBILITY REQUIREMENTS

To ensure proper operation, this module shall be connected to a compatible Notifier system control panel (list available from Notifier).

APPLICABLE STANDARDS

- AS ISO 7240.25:2015
- AS ISO 7240.18:2015

MOUNTING

The FW-MMAUS mounts directly to an SMB500 electrical box (see Figure 4). To avoid interference with the wireless network metal electrical boxes are NOT recommended. Non-metal surface mounted electrical boxes (SMB500) are available from Notifier. If not using an SMB500, the minimum mounting opening dimensions for the FW-MMAUS are 10 cm X 9.5 cm x 3.8 cm deep.

WIRING

NOTE: All wiring must conform to applicable local codes, ordinances, and regulations. This module is intended for power limited wiring only.

1. Install module wiring in accordance with the job drawings and appropriate wiring diagrams.
2. Set the address on the module per job drawings.
3. Secure module to electrical box (supplied by installer), as shown in Figure 3.

SPACING

Wireless technologies can exhibit communication disruption if devices are spaced too close together. To avoid this form of disruption, SWIFT devices should not be placed closer than 2 feet (60 cm) apart without an intervening structure.

FIGURE 4. MODULE MOUNTING:

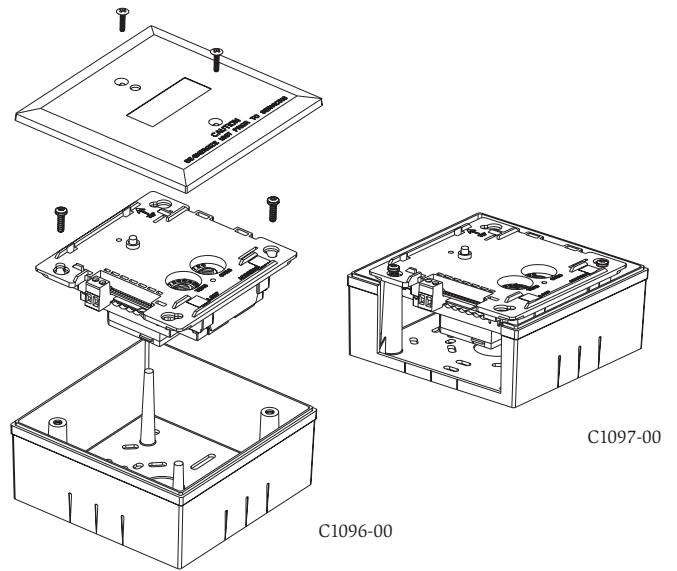


FIGURE 3. BATTERY COMPARTMENT:

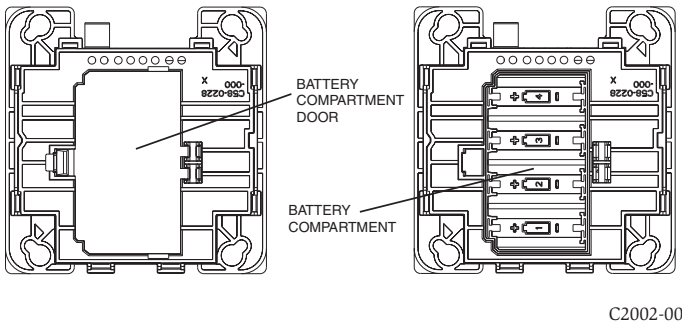
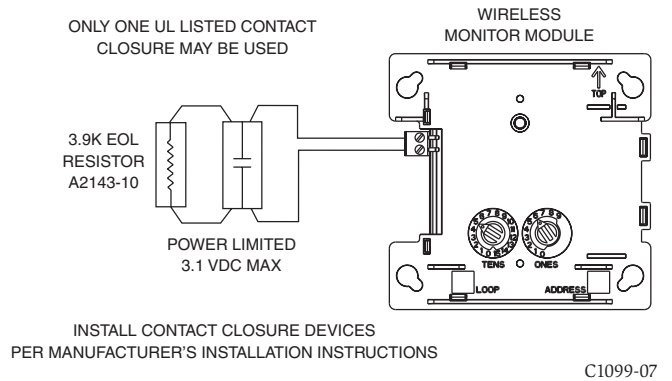


FIGURE 5. TYPICAL MONITORING CONFIGURATION:



Lic. SMK40640/2

LICENSING STATEMENT

Use of these products in combination with non-Honeywell products in a wireless mesh network, or to access, monitor or control devices in a wireless mesh network via the internet or another external wide area network, may require a separate license from Sipco, LLC.

For more information, contact Sipco, LLC or Ipco, LLC at 8215 Roswell Rd., Building 900, Suite 950, Atlanta, GA 303350, or at www.sipcollc.com or www.intusiq.com.

ACMA STATEMENT

This device complies with the Radiocommunications Class 2000 and Radiocommunications 2002 National 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.

WARNING: Do not make changes to the equipment. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

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