FEDERAL SIGNAL

Model 310X-MV

# AudioMaster® Hazardous Location Two-Way Intercoms

Federal Signal's AudioMaster® 310X-MV is a two-way industrial intercom that provides reliable communication and superior sound quality.

The AudioMaster 310X-MV's standard features include volume control, a call button, balanced line output, dust and watertight housing, a listen/talk switch, remote device activation, and the ability to power another intercom at 24 Vdc.

This heavy-duty intercom will operate from -31° to 150°F (-35° to 66°C) for both indoor and outdoor applications. Remote device activation allows you to activate an auxiliary signal, such as a horn or light.

The AudioMaster 310X-MV intercom is easy to operate. Press the toggle switch to talk and then release to listen. Additionally, press the call button to get the attention of personnel at another intercom.

The 310X-MV is ideal for use at oil refineries, petrochemical plants, offshore platforms, pulp and paper mills, water treatment facilities, airports, shipyards, or anywhere reliable two-way communication is important for safe and efficient operation.

## FEATURES

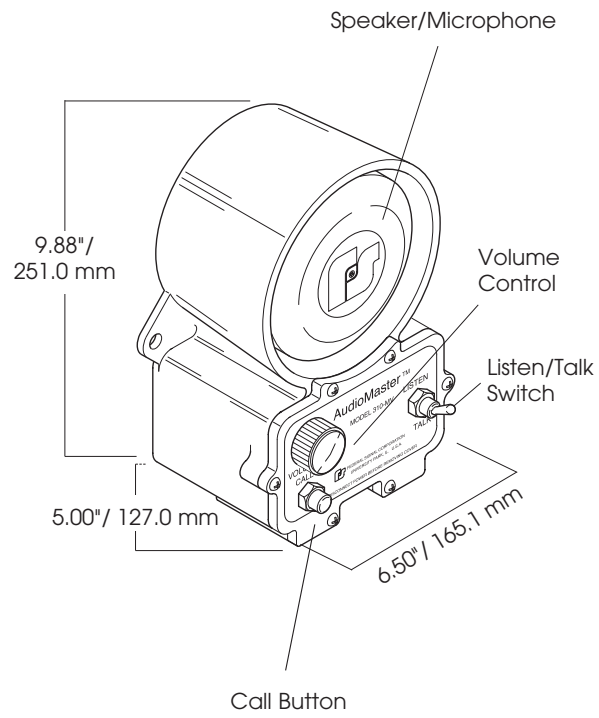
- Multi-voltage design accepts 24 Vdc, 120 Vac and 240VAC
- Heavy-duty industrial intercom for indoor/outdoor applications
- Balanced line output
- Call button
- Talk/Listen switch
- Volume control
- Auxiliary remote signal contact
- Marine Listed
- Conformal coated PCB
- Type 4X, IP65 enclosure
- CSA Certified
- UL and cUL Listed for Class I, Division 2, Group A, B, C and D; Class II, Division 2, Groups F and G; Class III

| MODEL | VOLTAGE | OPERATING CURRENT | STANDBY CURRENT | FREQUENCY RESPONSE (-6dBA) | INPUT IMPEDANCE |
|---|---|---|---|---|---|
| **310X-MV** | 24 Vdc | 465 mA | 62 mA | 150Hz-12 KHz | 3400 Ω |
| | 120 Vac 50/60 Hz | 163 mA | 70 mA | 150Hz-12 KHz | 3400 Ω |
| | 240 Vac 50/60 Hz | 82 mA | 35 mA | 150Hz-12 KHz | 3400 Ω |

## HAZARDOUS LOCATION RATING: 310X-MV

| T-CODE AT MAXIMUM AMBIENT TEMPERATURE, °C | | |
|---|---|---|
| HAZARDOUS LOCATION | 40°C | 65°C |
| Class I, Division 2, Groups A, B, C, D | T4A | T4 |
| Class II, Division 2, Groups F, G | T6 | T5 |
| Class III | T6 | T5 |

# AudioMaster® Hazardous Location Two-Way Intercom (310X-MV)




## SPECIFICATIONS

| | | |
|---|---|---|
| Speaker Rating: | | 30 watt |
| Operating Temperature: | -31° to 150°F | -35° to 66°C |
| Net Weight: | 9.9 lb | 4.5 kg |
| Shipping Weight: | 11.5 lb | 5.2 kg |
| Height: | 9.88" | 251.0 mm |
| Width | 6.50" | 165.1 mm |
| Depth: | 5.00" | 127.0 mm |

## HOW TO ORDER

**Specify Model:**

**310X-MV** – Intercom, 24 Vdc / 120 Vac / 240 Vac, hazardous location, wall mount

## REPLACEMENT PARTS

| Description | Part Number |
|---|---|
| PC Board Assembly | K2001915C |
| Connector, 10 Pin | K140A326A-01 |
| Resistors, 1 K, 1 W | K101216A |
| Gasket, rubber | K8590013B-01 |
| Kit, potentiometer | K8590237A |
| Kit, toggle switch | K122A298A |
| Kit, call button and boot | K8590241A |

## OPTIONAL ACCESSORIES

| Description | Part Number |
|---|---|
| Listen/Talk Kit | K8502017A |