INSTALLATION AND MAINTENANCE INSTRUCTIONS

SPECTRAlert
ADVANCE
from System Sensor

SYSTEM SENSOR®

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MP120KA 120 VAC Adapter Mounting Plate

Specifications

General Specifications

Standard Operating Temperature:	–40°C to 66°C (–40°F to 151°F)
Humidity Range:	10 to 98% non-condensing
Nominal Voltage:	Regulated 120 VAC
Operating Voltage Range:	96-132 VAC
Current Draw From AC Line:	150 mA max.

MP120KA may be used with any of the following products, at all horn and strobe settings:

Models for Indoor applications (flush mount only): P2RA, P2RHA, P2WA, P2WHA, SRA, SRHA, SWA, SWHA, PC2RA, PC2RHA, PC2WA, PC2WHA, SCRA, SCRHA, SCWA, SCWHA, HRA, HWA, CHRA, CHWA, CHSRA, CHSWA

Models for Outdoor applications: P2RKA, P2RHKA, SRKA, SRHKA, PC2RKA, PC2RHKA, SCRKA, SCRHKA, HRKA

The products in this manual may be covered by one or more of the following patents:5,914,665; 5,850,178; 5,598,139; 6,049,446; 6,522,261; 6,661,337; 6,822,400; 6,833,783; 6,856,241.

General Description

The MP120KA mounting plate is designed to allow the use of 120 VAC to power SpectrAlert Advance horns, strobes, horns/strobes, chimes, and chime/strobes. The MP120KA consists of a SpectrAlert Advance mounting plate that has been fitted with a power supply that converts 120VAC to nominal 24V FWR.

The MP120KA must be installed using a 120 VAC power source. This unit can only be used for non-synchronous applications; it will NOT work with SpecrtAlert Sync•Circuit Modules and is not to be used in CAN/ULC-S527 applications which is for fire alarm systems.
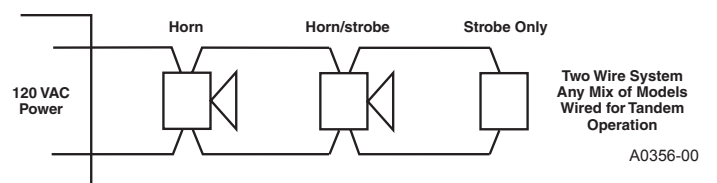
NOTICE: This manual shall be left with the owner/user of this equipment.
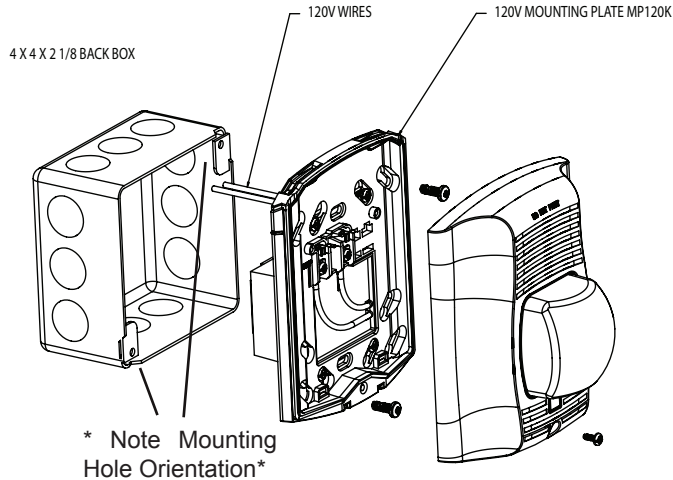
Wiring

This module has pig-tail wires and is intended to be wired without rigid connections inside a standard electrical box.

Figure 1. Non-synchronized devices; any combination of models powered by a 2-wire circuit.

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Mounting

Figure 2.

4 X 4 X 2 1/8 BACK BOX

120V WIRES — 120V MOUNTING PLATE MP120K

* Note Mounting
Hole Orientation*
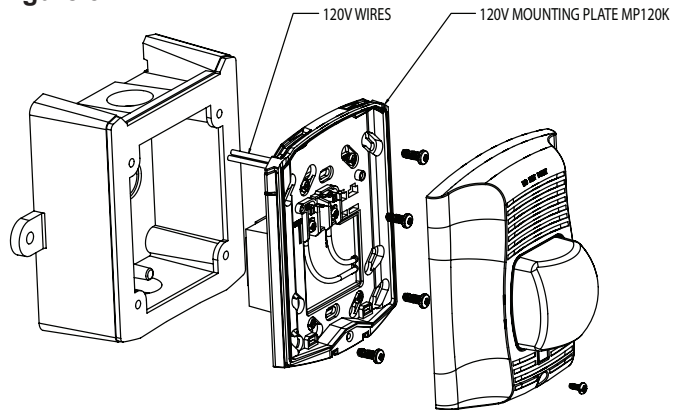
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Mounting (Wall or Ceiling)

1. For indoor applications, attach the mounting plate as shown in **Figure 2**. The mounting plate is compatible only with 4 × 4 electrical boxes. The 4x4 electrical box must be mounted with it's mounting holes on the side as shown in figure 2.
NOTE: The MP120KA is not weatherproof. When used in an outdoor application, the product must be installed using the proper SpectrAlert Advance watertight junction box and an outdoor listed horn/strobe. The wall mount watertight junction box must be mounted with its internal post in the lower left corner as shown in **Figure 3**.

2. Complete field wiring.
3. If the product is not to be installed at this point, use the cover to prevent contamination of the wiring terminals of the mounting plate.
4. To attach product to mounting plate, hook tabs on the product housing into the grooves on mounting plate. Then, swing product into position to engage the pins on the product with the terminals on the mounting plate. Make sure that the tabs on the back of the product housing fully engage with the mounting plate.
5. Secure product by tightening the single mounting screw in the front of the product housing.

   NOTE: Standard captured mounting screw may be replaced with enclosed torx screw for tamper resistance.

Figure 3.

120V WIRES — 120V MOUNTING PLATE MP120K

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Please refer to insert for the Limitations of Fire Alarm Systems