

## APPLICATION

The MW300 Wireless Photoelectric smoke detector completes the wireless Security System by adding an additional safety feature. The detector features an attractive design and the effective detection capabilities found in the wireless system. Featuring a built-in horn, fully supervised, wireless transmission, battery supervision and an easy to use test option, this sensor is a desirable addition to the residential market.

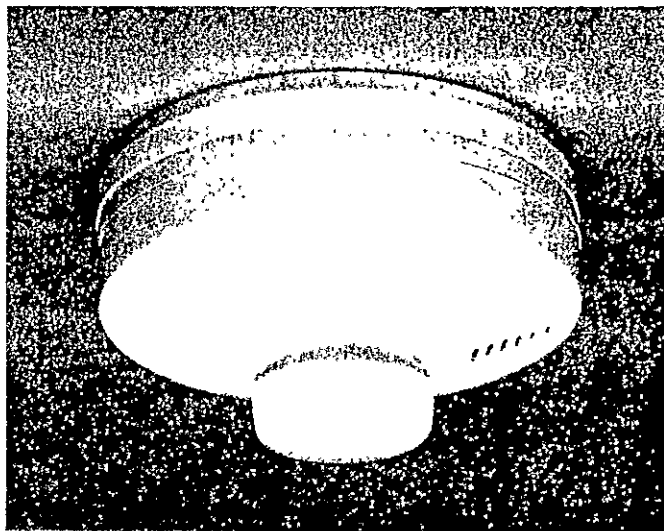
## FEATURES

- ☐ Power On indication (LED flashes every 6 seconds, solid in alarm).
- ☐ Low current Consumption.
- ☐ Fully Supervised.
- ☐ Customer Test Feature.
- ☐ Built-in Audible (for test and alarms).
- ☐ High RF Immunity.
- ☐ Dual Antennae for more reliable transmission.
- ☐ Pre-programmed wireless address (no dip switches).

Note: This document is supplementary. Additional information regarding this sensor may be found in the control panel's Installation Manual.

## SPECIFICATIONS

- ☐ Color: Off white.
- ☐ Dimensions: 5"D x 2.75"H (including mounting plate).
- ☐ Operating Voltage: 5.7 to 10.0 VDC.
- ☐ Current Consumption (at 7.2 VDC):  
Stand-by: 55uA maximum  
Alarm: 50 mA maximum
- ☐ Sensitivity: 1.0 - 3.0 %/ft. Obscuration.
- ☐ Battery: 7.2 VDC lithium or 9 VDC Alkaline (lithium battery is recommended).
- ☐ Low battery detection: 5.8 to 6.2 VDC.
- ☐ RF emission: Complies with F.C.C. Rules Part 15, F.C.C. ID. No. HHV26PECA249510N; Complies with DOC Rules TRC-51, Issue 2 and GL 17 Rev. 3, Certification No. 216 K939.
- ☐ RF Immunity: 100 Watts at 10 ft.
- ☐ RF Carrier used: 318.6 MHz.
- ☐ RF oscillation: Crystal controlled.
- ☐ Operating temperature: 32°F to 100°F (0°C to 38°C).
- ☐ Storage temperature: -4°F to 140°F (-20°C to 60°C).



## RF CONSIDERATIONS

The control/receiver should be mounted in an area centrally located to all transmitters and free of metallic structures and obstacles. While phase diverse transmitters are vastly superior to other transmitter types, the position of each of the transmitters should be considered and tested before permanent mounting is completed. Avoid placing transmitters near large metal surfaces or appliances. Avoid other sources of RF or EMI energy.

NOTE: The body of the unit has 3 holes which contain retaining flanges to lock the screen and labyrinth into place. By inserting a screwdriver into these holes and pushing firmly, the tabs will release the diaphragm which holds the screen. This is useful for regular cleaning and maintenance. Annual cleaning of this and all detectors is recommended.

## MOUNTING

The location of the smoke detector must be in a relatively dry area with a constant ambient temperature between 0° - 38° C. The location selected should be free of dust smoke, and steam sources. For your Information, the National Fire Protection Association's Standard 74, Section 2-4 is reviewed in the Installation Manual. This information discusses the proper placement of smoke detectors.

## SETUP

1. Insert a flat blade screwdriver into the slot closest to the test button.
2. Press firmly while raising the handle of the screwdriver up toward the mounting plate.
3. When the fastener clears the body of the detector, lift the mounting plate off the unit.
4. Copy down the six-digit Wireless Address for the device; it is located in the depression on the underside of the device. This number should be recorded for the device on the Program Sheet.
5. Release the battery retaining clip, plug the battery in and place it in the battery chamber, and re-secure the battery retaining clip. This unit does not come with a battery included, it must be ordered separately. While 9 VDC alkaline batteries may be used, **it is recommended that a 7.2 VDC lithium battery be used due to its performance and longevity.**
6. Attach the mounting plate in the desired location.
7. Carefully attach the device to the mounting plate by inserting the device into the double slots on the mounting plate and then snapping the other side into the single slot.

## PROGRAMMING AND TESTING

Enter the PROGRAMMING Mode on the LCD Control Station. Select the appropriate WIRELESS POINT definition and program as directed in the panel's Programming Manual. To program the device's Wireless Address, enter the six-digit number which is printed in the device's battery compartment. Once all desired programming has been completed, exit the PROGRAMMING Mode on the LCD Control Station. Then select the POINT TEST option from the TESTS Menu. While in POINT TEST, activate the Smoke Detector by pressing and holding the Test Button for 18 to 20 seconds. This will cause the detector to activate its built-in audible (85 dB at 10 ft.). Once the audible activates, release the Test Button. The audible will sound for approximately 20 seconds. Then verify that the device is transmitting by checking that the LCD Control Stations in the area have annunciated an identification of the device being activated. While in POINT TEST, the panel will not initiate any alarm outputs or communication devices. (Always be sure that the panel is in POINT TEST when testing transmitters).