

## TECHNICAL BULLETIN

MODEL: AH-0621-2                      Date Of Manufacture: See the detector's label  
          AH-0621-3  
          AH-0621-4

### **SPECIFICATIONS :**

- Operating Voltage : 24VDC
- Supervisory Current : 25 ~ 75µA
- Surge Current : 2A/100ms
- Alarm Current : Max. 40mA
- Start-Up Time : 30 seconds maximum
- Alarm Verification : about 5 seconds
- Max. Permissible Current : 185mA
- Reset Voltage : 1.7V
- Temperature : 0°C ~ +37.8°C
- Reset Time : minimum 1 second

*" Refer To Standard For Automatic Fire Detector, NFPA 72E "*

### **MAINTENANCE :**

- Attach dust-cover to the detector during the work in the building to prevent the invasion of dust or paint and malfunction of detector.
- During the scheduled maintenance, use the testing device ( SMOKE TESTER) to check the detector whether or not it is in good shape. ( Use the SMOKE TESTER spread to the detector, it should alarm within 5 seconds. If not, return the detector to factory for service.)
- When the repair is needed please return the defect device to manufacturer.

### **SERVICING TESTS :**

- Check all sides of iron-plate under the detector head whether or not they are well conducted.
- If fault alarm happened regularly, check the environment for effective factors such as smoke or other heat sources.
- Malfunctioned circuit could not be fixed if it is caused by water leaking.
- If detector has no response all the time, it might be the burning of PCB, low sensitivity or decay of detector. Defective detector should sent back to the manufacturer for repairing and calibration.
- If the LED does not light while detector is operating , the LED or PCB might be burned and both of them need to be fixed in the factory.

## INSTALLATION INSTRUCTIONS

MODEL: AH-0621-2                      Issue/Document No: 080115 Rev.A  
          AH-0621-3                      Date Of Manufacture: See the detector's label  
          AH-0621-4

### **AVOID THESE LOCATIONS**

Do Not Locate Your Detector in:

- Front of forced air ducts used for heating and air conditioning and other higher air flow area.
- Height of installation surface is more than 20 meters.
- Dusty area.
- Areas where temperature may fall below 40° F or rise above 100° F.
- Near electrical lights.

**" WARNING "- Connect Detector Only To Control Unit Initiating Device Circuit As Specified In Detector Or Control Unit Literature Or System May Not Operate.**

### **RECOMMENDED LOCATION OF DETECTORS**

- Locate the detector near the exit pass if the ceiling height is lower than 2.3 meter or the floor area is smaller than 40m<sup>2</sup>.
- Locate the detector at a minimum of 2 feet from the side wall or any corner.
- Locate the detector at the hallway in every 60 feet. If the hallway is less than 30 feet long, detector is not necessary.
- Locate the detector at the stairway in every 30 feet.

### **INSTALLATION HEIGHT**

Under 4M  
4 ~ 20M

### **EFFECTIVE AREA**

150 M<sup>2</sup>  
75 M<sup>2</sup>

SPECIFICATIONS	Smoke Detector
Rated Operating Voltage	24 VDC
Alarm Current	Max 40mA
Sensitivity Setting	1.40%/ft ~ 2.40%/ft
Compatibility Identification Marker	063092
Notifier B 1 Control Panel	20/Zone