

TECHNICAL BULLETIN

Model : AH-0625-2,3,4
SMOKE DETECTOR WITH INTEGRAL HEAT

Specifications :

- Operating Voltage : 12V~30V DC
- Supervisory Current : 80uA @ 24V DC 470Ω
- Alarm Current : maximum 40mA @ 24V DC 470Ω
- Surge Current : 2A/100ms
- Start-up Time : 35 seconds maximum
- Reset Voltage : 0 V
- Sensitivity Setting : $2.4 \pm 0.85\%/ft$
- Thermal Setting : $57^{\circ}C$; $134.6^{\circ}F$
- Ambient Temperature : $0^{\circ}C \sim 37.8^{\circ}C$; $32^{\circ}F \sim 100^{\circ}F$
- Max Permissible Current : 185mA
- Reset Time : 4 seconds
- Alarm Verification Time : about 15 seconds
- Mounting Location : ceiling in open space

" Refer To Standard For Automatic Fire Detector,NFPA72E"

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 (Go/No-Go test), use the testing device(Gemini Smoke Detector Tester Model: 501-A) to check the detector whether or not it is in good shape. Or use the UL Listed SMOKE DETECTOR TESTER (Model:25s) to spread to the detector, it should alarm within 15 seconds. If not, return the detector to factory for repair.
- When the repair is needed, please return the defective device to manufacturer

SERVICING TESTS :

- If fault alarm happened regularly, check the environment for affected 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 be sent back to the manufacturer for repairing and calibration.
- If the identification lamp is not lit while detector is operating, the LED or PCB might be burned out and both of them need to be fixed in the factory.

INSTALLATION INSTRUCTION

Issue/Document Number : 090210

NOTE:

- When detector is abnormal, LED will flash once every second.
- When the detector is in pre-alarm mode, LED will flash every two seconds (standby mode : LED will flash every four seconds).
- Detector need 35 seconds to be stable after power on.

AVOID THESE LOCATIONS

Do Not Locate Your Detector in :

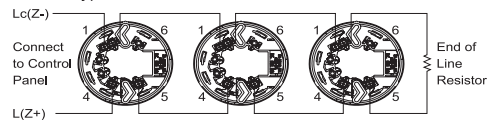
- Front of forced air ducts used for heating and air conditioning and other higher air flow area.
- Height of installation surface is more than 20 meters.
- Dusty area.
- Areas where temperature may fall below $40^{\circ}F$ or rise above $100^{\circ}F$.
- Near electrical lights.

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

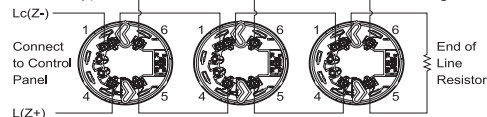
Compatibility Identification : 063092

WIRING DIAGRAM :

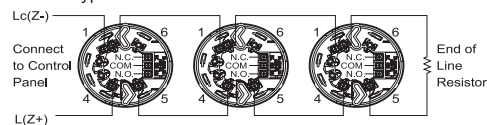
2-Wire Type :



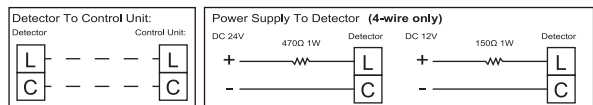
3-Wire Type :



4-Wire Type :



Caution : Do not connect loop wires at same point to prevent function loss.



- Maximum 20 of detector can be connected to each initiating device. Please refer to NFPA-72E for Automatic Fire Detectors for installation guidelines, testing and maintenance.
- Manufacturer address: Horing Lih Industrial Co., Ltd.
4F, No. 18, Lane 327, Sec. 2, Chung Shan Road,
Zhonghe Dist.(235), New Taipei City, Taiwan