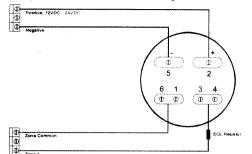
WIZMART

TYPICAL WIRING DIAGRAM

Figure 1 shows the typical wiring diagram of the 4-wire multiple-station smoke detector system.



DO NOT PLACE LINKS BETWEEN THE WIRING POSITIONS OF TERMINALS 2 AND 5 TO PROVIDE POWER SUPERVISION

WARNING

TO PREVENT DETECTOR CONTAMINATION AND SUBSEQUENT WARRANTY CANCELLATION, THE SMOKE DETECTOR MUST REMAIN COVERED UNTIL THE AREA IS CLEAN AND DUST FREE.

INSTALLING THE BASE

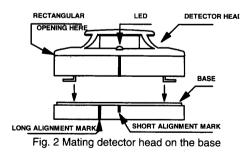
1. To insure proper installation of the detector head to the base, all the wires should be properly addressed at installation:

(A) Position all the wires flat against terminals.

- (B) Fasten the wires away from connector terminals.
 2. If you use a jumper wire to connect the poles of terminal 2 and 5 when testing the detector loop continuity, be sure to remove the jumper wire prior to the installation of the detector head.
- 3. The end-of-line device shown in fig. 1(a) and 1(b) should be compatible with the control unit. The end-of-line supervisory relay used should be rated for the DC power voltage used.
- Open area smoke detectors are intended for mounting on a ceiling or a wall in accordance with the fire standard in your country.
- 5. The base of the smoke detector can be mounted directly onto an electrical junction box such as an octagonal (75mm, 90mm or 100mm), a round (75mm), or a square (100mm) box without using any type of mechanical adapter.

INSTALLING THE HEAD

- Align the components as shown in Figure 2.
 Mate the detector head onto the base and twist
- clockwise to secure it.



3. Do not install the detector head until the area is

NB338 Photoelectric Smoke Detector Installation Wiring Diagram

thoroughly cleaned of construction debris, dusts, etc. The maximum number of smoke detector installed in the same loop is 30 units

ADJUSTING THE RELAY FOR NO/NC

The normal condition for the relay is "normally open" (NO).To remove top cover remove two screws on back of NB-338 smoke detector as shown in Figure 3

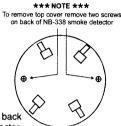


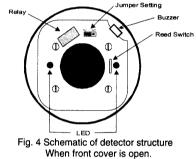
Fig. 3 Two screws on back of NB-338 smoke detector

1. To adjust the normal condition of the relay to "normally closed" (NC),

2. Refer to Figure 4. There is a jumper head next to the relay on the PCB. Remove the jumper head and reinsert it in the NC position.

- 3. Carefully replace the front cover. Relay contact rating:
- 1A@30VDC,

Set Jumper setting to NC (Normally Closed) 0.5A@125VAC.



TESTING

- All the alarm signal services, releasing device and extinguisher system should be disengaged during the test period and must be re-engaged immediately at the conclusion of testing.
- 2. After energizing the detector head for approximately one minute, check to see the indicator green LED flashing once every 3~5 seconds. If green LED fails to flash, it indicates the non-functioning of the detector or faulty wiring. Re-check the wiring or replace the detector if necessary.
- 2.Position the "Test Magnet" against the side of the detector housing marked "TEST" for at least 5 seconds as shown in Figure 5. The detector should be triggered to alarm as indicated by steady red LED illumination. Reset the control unit to return to normal operation.
- 3.Allow smoke from a cotton wick or a test smoke aerosol to enter the detector-sensing chamber for at least 10 seconds. When sufficient smoke has entered the chamber, the detector will signal an alarm, this being visible by a continuous illumination of the LED. Reset each detector and/or control unit before attempting to test any additional detectors in the same zone. If the alarm fails in this step, it indicates a