APPLICATION

FVN fluorescent lighting fixtures are suitable for use in Class I, Division 2; Class II, Division 1; Groups F, G Class III; and simultaneous presence hazardous (classified) locations as defined by the National Electric Code. The FVN is also suitable for wet locations.

It is designed for use in industrial locations where moisture, dirt, and vibration may be a problem. The FVN can also be used in areas where simultaneous hazards may be present, such as, hazardous gas, combustible dust, moisture and corrosion.

FVN Series fixtures are constructed with a hinged lens assembly and wireway cover held by chain supports, for ease of lamp replacement and maintenance. Lamps are not furnished with fixtures.

INSTALLATION

![Diagram of FVN Series Fluorescent Industrial Lighting Fixtures]

**WARNING**

Electrical power must be turned OFF before and during installation and maintenance.

**CAUTION**

Be sure to select the proper fixture hangers suitable for use in the designated hazardous area that the lighting fixture will be used.

1. Install fixture in its support position and attach to grounded conduit system*. See Dimensions Section on back page.

2. Open lens assembly by first releasing latches (captive bails) on "hinge" side. Next release and disengage latches on "latch" side.

3. Remove two wing nuts that secure wireway cover. Cover is held by chain support for ease of installation.

4. Pull field wiring into fixture. Combine housing ground wire (green) with wireway cover ground wire (green) and connect to incoming grounded field wire. Attach ungrounded primary field wire to black conductor and other field wire to white conductor.

* All conduit openings are 1/2" NPT.

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CAUTION
Fixture must be installed on grounded wiring system.

5. Secure wireway cover to mounting brackets using wing nuts removed previously.
6. Install lamps into lamp holders on wireway cover. Use only correct lamps as specified on fixture nameplate.
7. Close lens assembly and secure with latches (captive balls) beginning with engaging latches on "latch" side followed by (then engaging) "hinge" side.

WARNING
All unused conduit openings must be plugged. Plug must engage a minimum of five full threads. Use plugs supplied with fixture.

8. Turn power on.

MAINTENANCE

WARNING
Always disconnect primary power source before opening fixture for inspection or service.

1. Frequent inspections should be made. A schedule for maintenance checks should be determined by the environment and frequency of use. It is recommended that inspections should be performed at least once a year.
2. Visually check for damaged parts and proper lamp operation.
3. Mechanically check to make sure that all parts of the fixture are properly assembled and all nuts, bolts and door clamps are tight.
4. Clean the lens assembly with a clean, damp, soft cloth. If this is not sufficient, use a mild soap, or a liquid cleaner such as Collonite NCF or Duco #7. Do not use an abrasive, strong alkaline or acid cleaner. Damage to the lens assembly may result.

DIMENSIONS

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