

KTCPI001 Visual Position Indicator for V4295A and V4297A Valves

INSTALLATION INSTRUCTIONS

INSTALLATION



When Installing This Product...

1. Read these instructions carefully. Failure to follow the instructions could damage the product or cause a hazardous condition.
2. Check the ratings given in the instructions and on the product to make sure the product is suitable for your application.
3. Installer must be a trained, experienced flame safeguard technician.
4. After installation is complete, check out product operation as provided in these instructions.

APPLICATION

The KTCPI001 Visual Position Indicator is used only with Honeywell V4295A 1 in. (25 mm) to 2 in. (51 mm) valves, 5 psi versions and Honeywell V4297A Valves to indicate the open and closed position of the valve.

SPECIFICATIONS

Models: KTCPI001.

Ambient Temperature Range: -40°F to +130°F (-40°C to +50°C).

Enclosure Rating: NEMA 4.

Approvals:

Factory Mutual (FM) requires the use of the KTCPI001 Visual Position Indicator for the following valves:
V4295A 5-psi series from 1 in. (25 mm) to 2 in. (51 mm).

V4297A Valve when used with pipe adapters larger than 3/4 in. (19 mm).

The KTCPI001 Indicator also meets the requirements of application codes (such as NFPA) that require visual indication of the valve position.

WARNING

Fire or Explosion Hazard.

Can cause property damage, serious injury, or death.

Perform the gas safety shutdown test any time work is done on a gas system.

Make sure gas is turned off before starting installation.

1. Use a 1/4 in. (6mm) hex wrench to remove the plug and O-ring from the top of the valve.
2. Insert the KTCPI001 Indicator and O-ring in place of the plug.
3. Tighten the indicator, using a 3/4 in. (19 mm) open end or box end wrench, until metal-to-metal contact is established between the indicator body and the top of the valve.

IMPORTANT

Use the wrench on the metal portion of the indicator, not on the clear plastic top.



OPERATION AND CHECKOUT

Operation

When the valve opens, the red indicator pops up and can be seen through the clear plastic cover. When the valve closes, the red indicator drops into the indicator housing and cannot be seen.

Checkout

WARNING

Fire or Explosion Hazard.

Can cause explosion, serious injury, or death.

1. Do not put the system into service until you have satisfactorily completed the following valve leak test, all applicable tests described in the Checkout section of the instructions for the flame safeguard control and any other tests required by the burner manufacturer.
2. All tests must be performed by a trained, experienced flame safeguard technician.
3. Close all manual fuel shutoff valves immediately if trouble occurs.

After the installation is completed, cycle the valve several times with the manual fuel shutoff cock closed. Make sure the valve and indicator are working properly. Perform the following leak test before putting the valve in service:

1. Close the downstream manual gas cock.
2. Energize the valve through the safety system.
3. Test with rich soap and water solution to make sure there is no leak between the indicator and the valve coil.
4. Open the downstream manual gas cock.
5. Restore the system to normal operation.

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