

Self-Powered Valve Open/Close Detection Sensor Manual

1. Maintenance

- (1) Products that have been successfully installed do not require routine maintenance.
- (2) Due to the nature of the wireless device, if there is a structural change or adjustment of the installation location at the place where the installation has been completed, it is necessary to contact the manufacturer to double-check it.
- (3) If there is a problem with the product, please stop using it and contact the manufacturer.
- (4) The manufacturer is not responsible for any equipment damage or malfunction caused by customer usage conditions outside of the installation and usage criteria described in the manual.

2. WARNING

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation

Warning : Changes or modifications to this device not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

3. Specification

i. How to operate



Open/Close detection sensor

Detects the kinetic energy of the Gas valve movement and sends Open/close signals.

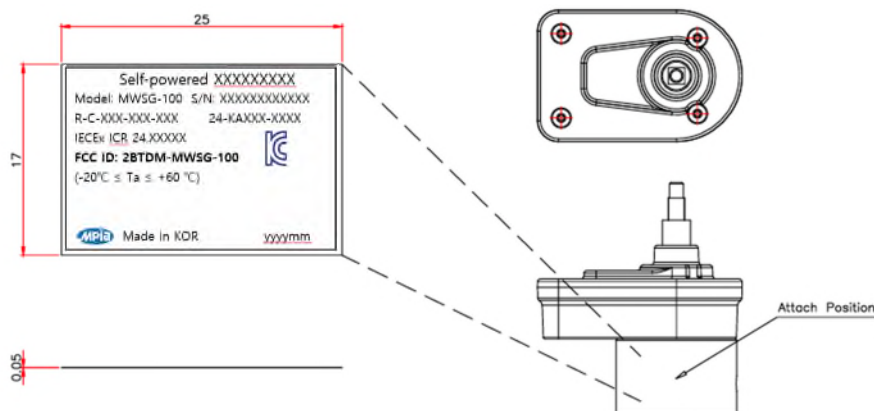
ii. How to Fix it



iii. Specification

- Model : MWSG – 100
- Frequency : 920.700MHz (FSK)
- Antenna : built-in antenna
- Communication dist : Approx. 100m(open field)
- Power : Self-Powered (no battery)
- Dust/Water-proof : IP57
- Ambient temperature : -20°C to +80°C
- Durability : 100,000 cycle

4. Making Plate



5. Manufacturing company



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6. Revision History

REV	CONTENTS	DATE
1.0	Initial Document	2024. 02. 21

FCC Information

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions :

- (1) This Device may not cause harmful interface, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for CLASS B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try correct the interference by one or more of the following measures:

- 1.1. Reorient or relocate the receiving antenna.
- 1.2. Increase the separation between the equipment and receiver.
- 1.3. Connect the equipment into an outlet on a circuit different from that to which receiver is connected.
- 1.4. Consult the dealer or experienced radio/TV technician for help.

WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

IMPORTANT NOTE:

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.