

# GR Smart Home Series Auto Valve

## User Manual

### Foreword

Welcome to choose our product. This Auto Valve is applied with Z-wave technology and compatible with all Z-wave network. Every Auto Valve can work as signal repeater, therefore all the devices form into cellular network and generate multi-routes.

### Specification

Model No.: GR-105

Rated voltage: 12V/1A

Communication technology: Z-wave

Communication frequency: 868.42MHZ

Wireless range (sight of line): 30 m

Valve Pressure: 1.6 Mpa

Valve size: 1/2", 3/4", 1", 1.25", 1.5"

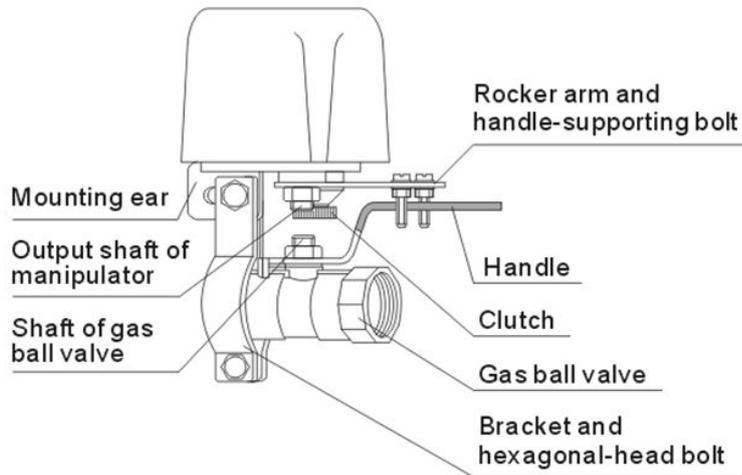
Close time: 5~10 seconds

Open time: 5~10 seconds

Torque: 30~60 kg.cm

Accessories: 12V/1A power adaptor, hardware accessories

### Installation



#### 1. Add/Delete device

Add/Delete button: the red button on the upper-front side. Press times: 3 times.

Notice: It is recommended to keep the device within 1 meter to the controller during Add/Delete operation. If the controller has not received the signal, please repeat pressing the button more times.

#### 2. For gas ductwork user

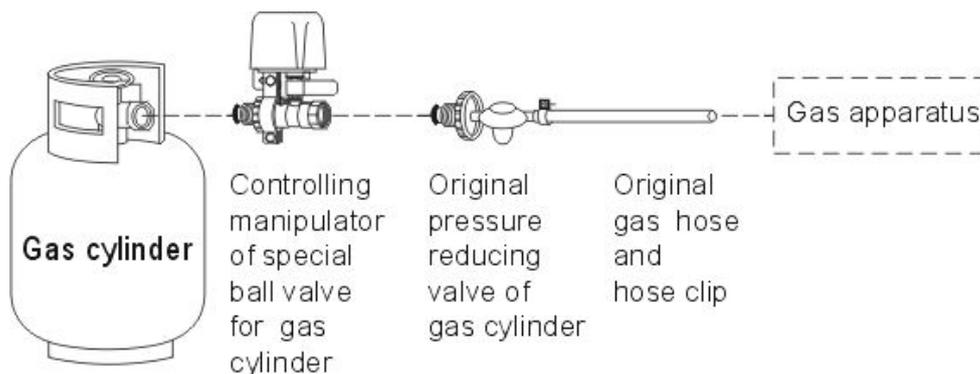
The main ball valve should be designed and installed to the place as much as convenient for manual opening & closing operation. The manipulator should keep 20mm away from the wall.

- a) Install the Auto Valve to the main ball valve with two semicircular brackets which grip pipe, and another end fix the mounting ear of the manipulator.
- b) Make the bracket with screw thread in the guide-bar side of the mounting ear by tightening two M6\*16 hexagonal-head bolts into the two bolt holes at both ends of the bracket for initial installation, but fix them loosely. Put two rocker arm screw bolts symmetrically to the both sides of the valve handle and tighten two M4 nuts using cross screw driver and 7# spanner.
- c) Adjust the three-dimensional position of the bracket to make a coaxial line between the output shaft of the manipulator and the center line of the valve, and then tighten two M6\*16 hexagonal-head bolts using the 10# fork wrench or box wrench (the socket wrench preferred).

The manipulator could connect ductwork directly, instead of the rocket arm, for connection to the output shaft of the manipulator and the gas ball valve.

3. For bottled gas user

To connect bottled gas, the user uninstalls the original pressure reducing valve and installs the manipulator with the special ball valve for pipe between the original angle valve and pressure reducing valve, and then tightens it. (See the following figure.)



4. When the gas alarm failure, pull down the clutch (knurling round nut of the manipulator), and then manually turning the handle to 90 degree to open the valve until the handle rotates to the dead point. Then, remove your fingers from the round nut and gently move the handle to make the clutch back to its original position.
5. Disclaimer: The above information is subject to change without prior notice. Please contact your local dealer or us for update. GR Smart home reserves the right of interpretation.