



Aqua-Scope KFRDRY02 Dry Contact Controlled Gate Valve User Manual

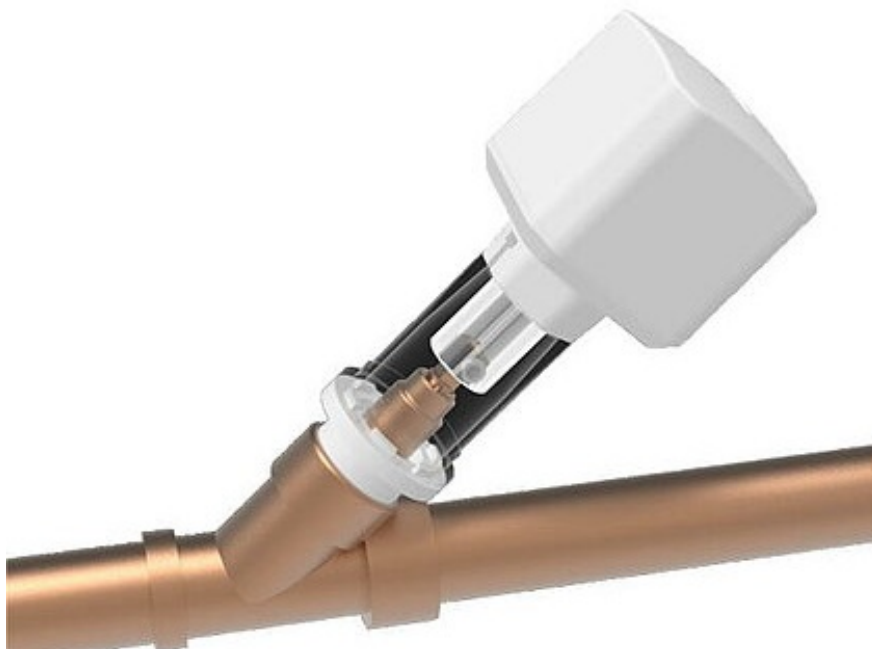
[Home](#) » [Aqua-Scope](#) » Aqua-Scope KFRDRY02 Dry Contact Controlled Gate Valve User Manual 

Contents

- [1 Aqua-Scope KFRDRY02 Dry Contact Controlled Gate Valve](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 Dry Contact Controlled Gate](#)
- [5 Support and Contact](#)
- [6 Disposal Guidelines](#)
- [7 Documents / Resources](#)
 - [7.1 References](#)
- [8 Related Posts](#)



Aqua-Scope KFRDRY02 Dry Contact Controlled Gate Valve



Product Information

Specifications

Product Name	Dry Contact Controlled Gate Valve
Model	KFRDRY02
Power Supply	3.0-3.6 V battery or 5 – 12 V power supply
Connection	Screw terminals
Valve Support	Adapter rings for pipe diameters between DN15 and DN32, and some DN40
Torque	More than 6 Nm

Product Usage Instructions

1. Power Supply Options

The dry contact controlled gate valve can be powered using either a 3.0-3.6 V battery or a 5 – 12 V power supply. Most smart home or alarm systems already have a compatible power supply available.

2. Connection

Connect the dry contact controlled gate valve to the power supply using the provided screw terminals. Ensure a secure connection is made.

3. Mounting the Motor

The retrofittable motor should be mounted directly on the angle seat valve. Use the appropriate adapter ring to support valves with pipe diameters between DN15 and DN32, or some DN40.

4. Switching the Motor On-Site

A button is available to switch the motor on-site. Press the button to activate the motor and control the valve.

5. Valve Status Indication

A red/green LED indicates the status of the valve. The LED will display either red or green to provide visual

feedback on the valve's current state.

Support and Contact

If you encounter any problems, please visit our website www.aqua-scope.com and check the support section for answers and help. You can also send a message to info@aqua-scope.com for further assistance.

Disposal Guidelines

Do not dispose of electrical appliances as unsorted municipal waste. Please use separate collection facilities for proper disposal. Contact your local government for information on available collection systems. Improper disposal can lead to hazardous substances leaking into the groundwater and damaging health and well-being.

FAQ

1. Can I use a different power supply?

The dry contact controlled gate valve can be powered by a 3.0-3.6 V battery or a 5 – 12 V power supply. It is recommended to use these specified power sources for optimal performance.

2. What is the torque capability of the motor?

The motor has a torque capability of more than 6 Nm, making it suitable for retrofitting even very stiff valves.

3. How do I know the status of the valve?

The dry contact controlled gate valve features a red/green LED that indicates the status of the valve. The LED will display either red or green to provide visual feedback.

Dry Contact Controlled Gate

Valve

- **KFRDRY02** This retrofittable product transforms a commercial angle seat valve for shutting off water or heating lines into a remotely controlled smart device. By means of a converter, the actually radio-controlled device can be controlled directly by alarm systems or smart home system via a switch contact. The converter is installed directly in the alarm control panel or near other control electronics and communicates with the motor via an encrypted radio link. The motor is completely waterproof (IP66) and can therefore be used in climatically difficult environments or outdoors.
- The product consists of an Aqua-Scope KFR valve actuator **KFRLWE01** in combination with a generic LORA device **GENLWE01**, which are already connected to each other on delivery and thus require no further setup effort. The converter can be powered either by 3.0-3.6 V battery or a 5 – 12 V power supply, which is usually already available in smart home or alarm systems. For testing, the converter can also be supplied with USB-C.
- The connection is made via screw terminals.
- The retrofittable motor is mounted directly on the angle seat valve. Different adapter rings can support valves for pipe diameters between DN15 and DN32 and some DN40. The double planetary gearbox specially developed for this product enables torques of more than 6 Nm and is thus almost twice as strong as manual operation via the usual handwheel. This means that even very stiff valves can be retrofitted.
- A button can also be used to switch the motor directly on site and a red/green LED indicates the status of the valve. For more information about the **BVSLWE01** valve drive or the **GENLWE01** generic LoRa device for control via switching contacts, please refer to the respective product manuals.

Support and Contact

- Should you encounter any problem, please give us an opportunity to address it before returning this product. Please check our website www.aqua-scope.com and particularly the support section for answers and help. You can also send a message to info@aqua-scope.com
- While the information in this manual has been compiled with great care, it may not be deemed an assurance of product characteristics. Aqua-Scope shall be liable only to the degree specified in the terms of sale and delivery. The reproduction and distribution of the documentation and software supplied with this product and the use of its contents is subject to written authorization from Aqua-Scope. We reserve the right to make any alterations that arise as the result of technical development.
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Declaration of Conformity


Aqua-Scope Technology OÜ, Sakala 7-2, 10141 Tallinn, Republic of Estonia, The radio emitting device works on frequency 868...869 MHz with output power of 22 dBm. (158 mW)

Disposal Guidelines





Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging health and well-being.



Documents / Resources

	<p>Aqua-Scope KFRDRY02 Dry Contact Controlled Gate Valve [pdf] User Manual KFRDRY02 Dry Contact Controlled Gate Valve, KFRDRY02, Dry Contact Controlled Gate Valve, Contact Controlled Gate Valve, Controlled Gate Valve, Gate Valve, Valve</p>
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References

-  [Oscilloscope | Keysight](#)
-  [Oscilloscope | Keysight](#)
-  [Install a water leakage protection system DIY: Aqua-Scope](#)
-  [CE Declarations + Datasheets: Aqua-Scope](#)
- [User Manual](#)