



Qubino Z-Wave Plus Flush 2 Relay Instruction Manual

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Qubino Z-Wave Plus Flush 2 Relay



The Flush 2 Relay is a single product that controls on/off function for two electrical devices. It measures power consumption of the two connected devices and can be paired with a digital temperature sensor (sold separately). It supports push-button/momentary switches and toggle switches (default).

INSTALLATION

1. To prevent electrical shock and/or equipment damage, disconnect electrical power at the main fuse or circuit breaker before installation and maintenance.
2. Be aware that even if the circuit breaker is off, some voltage may remain in the wires — before proceeding with the installation, be sure no voltage is present in the wiring.
3. Take extra precautions to avoid accidentally turning on the device during installation.
4. Connect the devices exactly according to the diagram.
5. Place the antenna as far as possible from metal elements as they may cause signal interference.
6. Do not shorten the antenna.

Danger of electrocution!

Installation of this device requires a great degree of skill and may be performed only by a licensed and qualified electrician. Please keep in mind that even when the device is turned off, voltage may still be present in the device's terminals.

Note!

Do not connect the device to loads exceeding the recommended values. Connect the device exactly as shown in the provided diagrams. Improper wiring may be dangerous and result in equipment damage. Electrical installation must be protected by directly associated overcurrent protection fuse 4 A, gG or Time lag T, rated breaking

capacity 1500 A (ESKA 522.723) must be used according to wiring diagram to achieve appropriate overload protection of the device. The fuse must be installed in fuse holder type: Adels DS according to the standard IEC60669-2-1.

Z-WAVE INCLUSION

AUTO-INCLUSION

1. Enable inclusion mode on your Z-Wave gateway (hub)
2. Connect the device to the power supply (with the temperature sensor already connected – sold separately*)
3. Auto-inclusion will be initiated within 5 seconds of connection to the power supply and the device will automatically enroll in your network

MANUAL INCLUSION

1. Connect the device to the power supply (with the temperature sensor already connected*)
2. Toggle the switch connected to the I1 terminal 3 times within 3 seconds. The device has to get On/Off signal 3 times, meaning 3 times push of the push button or with the normal button 3 times On/Off .

OR

If the device is powered by 24 Vdc SELV supply, press and hold the S (Service) button for at least 2 seconds

3. A new multi-channel device will appear on your dashboard
4. Inclusion with the switch connected to I1 terminal is not limited by time *Make sure the device is excluded from your network before connecting the temperature sensor. Switch off the power supply, connect the temperature sensor, and re-include the device to your network.

Z-WAVE EXCLUSION/RESET

Z-WAVE EXCLUSION

1. Connect the device to the power supply
2. Make sure the device is within direct range of your Z-Wave gateway (hub) or use a hand-held Z-Wave remote to perform exclusion
3. Enable exclusion mode on your Z-Wave gateway (hub)
4. Toggle the switch connected to the I1 terminal 3 times within 3 seconds. The device has to get On/Off signal 3 times, meaning 3 times push of the push button or with the normal button 3 times On/Off.

OR

If the device is powered by 24 Vdc SELV supply, press and hold the S (Service) button for 2 to 6 seconds

5. Exclusion with the switch connected to I1 terminal is not limited by time
6. The device will be excluded from your network but any custom configuration parameters will not be erased.

FACTORY RESET

1. Connect the device to the power supply
2. Within the first minute, the device is connected to the power supply, toggle the switch connected to the I1 terminal 5 times within 3 seconds

OR

If the device is powered by 24 Vdc SELV supply, press and hold the S (Service) button for at least 6 seconds. By resetting the device, all custom parameters previously set on the device will return to their default values, and the owner ID will be deleted. Use this reset procedure only when the gateway (hub) is missing or otherwise inoperable.

NOTE: See the extended manual for custom settings and parameters available for this device.

IMPORTANT DISCLAIMER

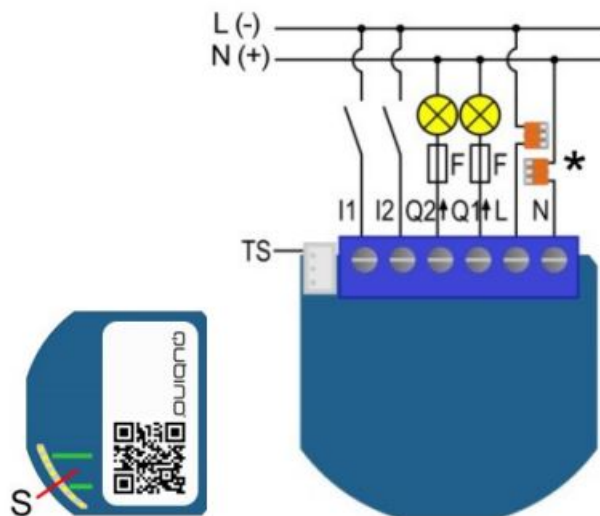
Z-Wave wireless communication is not always 100% reliable. This device should not be used in situations in which life and/or valuables are solely dependent on its functioning. If the device is not recognized by your gateway (hub) or shows up incorrectly, you may need to change the device type manually and make sure your gateway (hub) supports multi-channel devices. Contact us for help before returning the product:

<http://qubino.com/support/#email>

WARNING

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 your health and well-being. When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal free of charge.

ELECTRICAL DIAGRAM (110-240 Vac, 24 – 30Vdc)



Notes for diagram

Wago 221-413 splicing connectors for L and N connection must be used only when connected to 240 Vac.

WARNING:

Service button S must NOT be used when device is connected to 110-240 Vac power supply. The durability of the device depends on applied load. For resistive load (light bulbs, etc.) and 4 A current consumption of each individual electrical device, the durability exceeds 70.000 switches of each individual electrical device.





TECHNICAL SPECIFICATIONS

Power supply/	110 – 240 Vac \pm 10% 50/60 Hz, (24-30 Vdc)
Rated load current of AC/DC output (resistive load)*/	2 X 4 A / 110 – 240 Vac / 30 Vdc
Output circuit power of AC/DC output (resistive load)/	2 X 940 W (240 Vac) / 2 X 440 W (110 Vac) / 2 X 96 W (24 Vdc)
Power measurement accuracy/	P=0-200 W, \pm 2 W P>200 W, \pm 3 %
Digital temperature sensor range/ Plage	-25 ~ +80 °C (-13 ~ 176 °F)
Operation temperature	-10 ~ +40 °C (14 ~ 104 °F)
Intended transportation condition	-40 ~ +70 °C (-40 ~ 158 °F)
Z-Wave operation	up to 40 m indoors (98
Dimensions (WxHxD) (package)/ Dimensions (LxHxP)	41,8x36,8x16,9 mm (86x74x43 mm) /

Abmessungen	1,65x1,45x0,66 in (3,39x2,91x1,69 in)
Weight (with package)/ Poids	28 g (54 g) / 0.98 oz (1.90 oz)
For installation in boxes/ Pour installation	$\varnothing \geq 60$ mm (2,36 in) or 2M, Depth / Profondeur / Tiefe / Djup ≥ 60 mm (2,36 in)
Switching	Relay (2x)
Z-Wave Repeater	Yes

EN *In case of load other than resistive, pay attention to the value of $\cos \phi$ and if necessary apply load lower than the rated load. Max current for $\cos \phi=0,4$ is 2A at 250VAC, 3A at 24VDC.

Supported loads

	Electric motor/
	Conventional incandescent and halogen lights/
	LED bulb, compact fluorescent bulb (CFL), low voltage halogen bulbs with electronic transformer/
	Low voltage halogen bulbs with conventional Transformer/

Get a real Qubino Z-Wave bible! How-to install, use cases, illustrations and more. Scan the QR code/follow the link below: <http://qubino.com/products/flush-2-relays>



FCC compliance statement (applies only in the US):

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


NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. 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 to correct the interference by one or more of the following measures:

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

This user manual is subject to change and improvement without prior notice.

E-mail: info@qubino.com ; Tel: +386 5 335 95 00

Documents / Resources

	<p>Qubino Z-Wave Plus Flush 2 Relay [pdf] Instruction Manual Z-Wave Plus Flush 2 Relay</p>
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References

- info@qubino.com
- [Qubino Flush 2 Relays | Make your lights smart | Control with smartphone](#)
- [qubino.com/support/#email](mailto:info@qubino.com)
- [Smart Home Solutions | Wireless Home Automation | Qubino](#)
- [Smart Home Solutions | Wireless Home Automation | Qubino](#)