PRODUZIDO NO POLO INDUSTRIAL DE MANAUS
CONHEÇA A AMAZÔNIA

GROUP LINK ONE

Transcend IoT

GL Utilities | WATER & GAS WGV102

USER GUIDE • EN

For meters equipped with a digital pulse output.

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About

GL Utilities | WATER & GAS

The **GL Utilities Water & Gas** is a Bluetooth Low Energy (BLE) device that enables the use of Group Link™ patented technology. It uses a transmission frequency of 2.4 GHz, compatible with the vast majority of existing smartphones.

DEVICE DIMENSIONS
(H/L/D) 6.5cm x 4.7cm x 4cm

REACH
500 meters



Document version

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Disclaimer: this equipment is not entitled to protection against harmful interference and may not cause interference in duly authorized systems. **For more information, please visit www.gov.br/anatel/pt-br**

Specifications

Product	GL Utilities Water & Gas
Model	**GL-WGV102**
Bluetooth Technology	**Bluetooth LE (1Mbps)**
Bluetooth Operating Frequency	**2.4GHz**
Bluetooth Transmission Power	**+19.5dBm**
Power Source	**3.6Vdc**
Temperature rating	**-25 °C to 75 °C**
Input connection	**2 digital doors**
Input voltage	**24Vdc**
Max width input	**minimum 10 ms**
Dimensions (H/L/D)	**65mm x 47mm x 40mm**
Weight	**122g**
Ingress protection	**IP68**
Cable length	**30 cm**
Lifetime	**8 years minimum**

Features

- Bluetooth device Low battery consumption (Bluetooth Low Energy)
- Group Link Technology compatible
- Transmitting distance of up to 550 yards in open fields

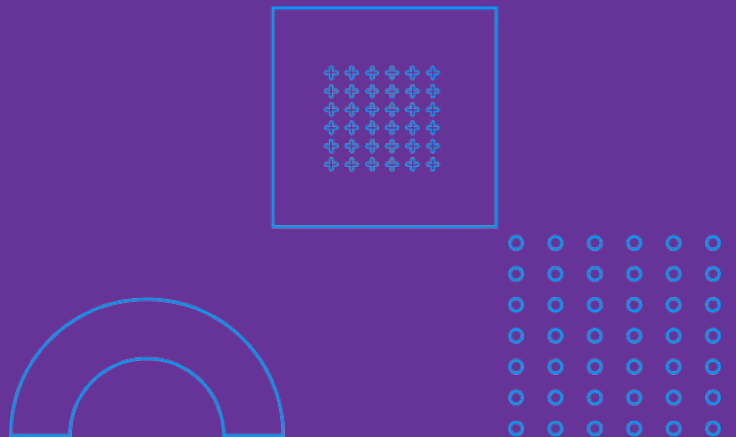
GROUP LINK ONE

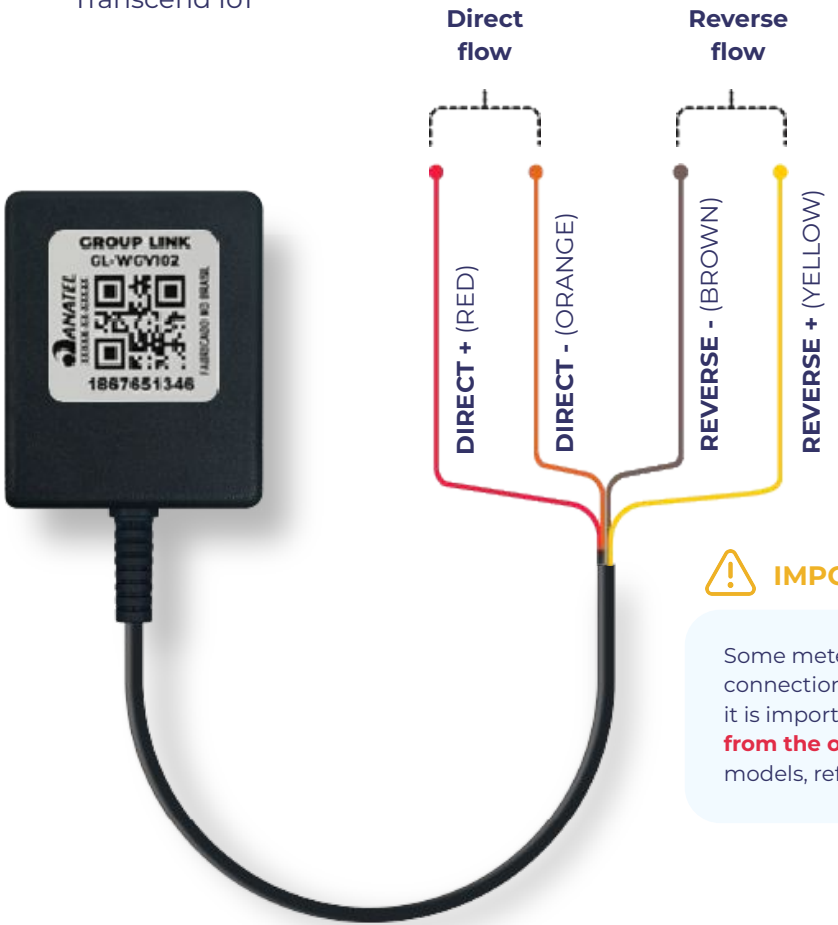
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Connecting your

GL Utilities

WATER & GAS





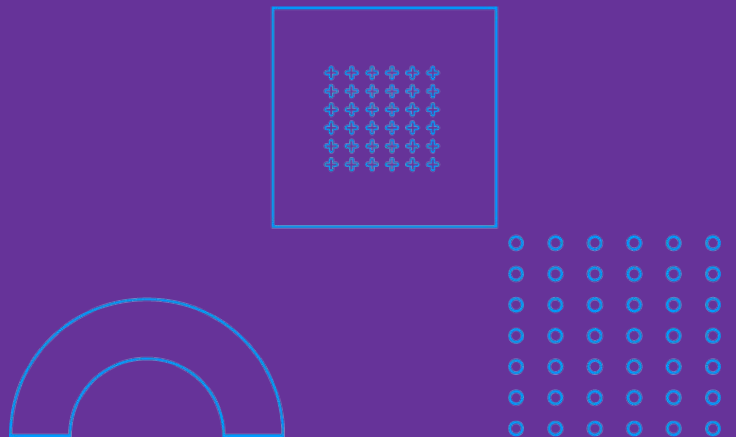
Step 1	Begin by closing the water or gas valve
Step 2	Connect the terminals of the GL Utilities Water & Gas device to your meter following the diagram below:

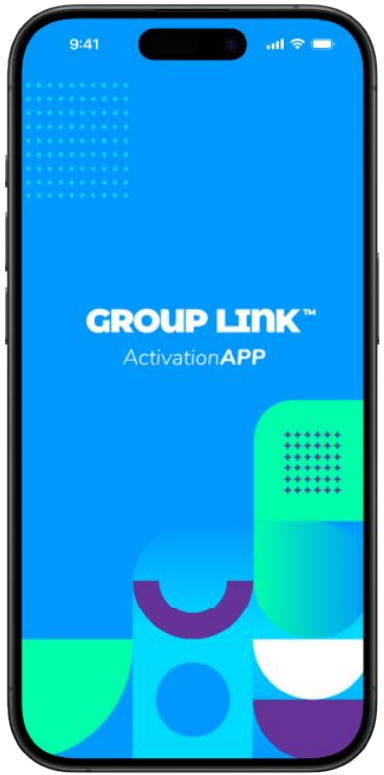
IMPORTANT

Some meters do not require the **REVERSE FLOW** connection. If your model does not have this option, it is important to **keep the yellow wire isolated from the others.** For more information on the models, refer to **page 11**

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Initiating your device through our GL Activation App





Click the button below to access our device activation user guide

GL Activation User Guide

Access either Google Play or App Store on your smartphone and search for **GL Activation**, or click the buttons below:

GET IT ON Google Play

Download on the App Store

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Monitoring your

GL Utilities

WATER & GAS

Alarms for this device

Magnetic Attack

Alarm activated when a magnetic field is detected near the device

Leakage

Activated when within a 24-hour period, there are no less than 2 intervals of 1 hour without pulse detection

Reverse Flow

Alarm activated when there is reverse flow* for at least 30 seconds

*1 liter/pulse

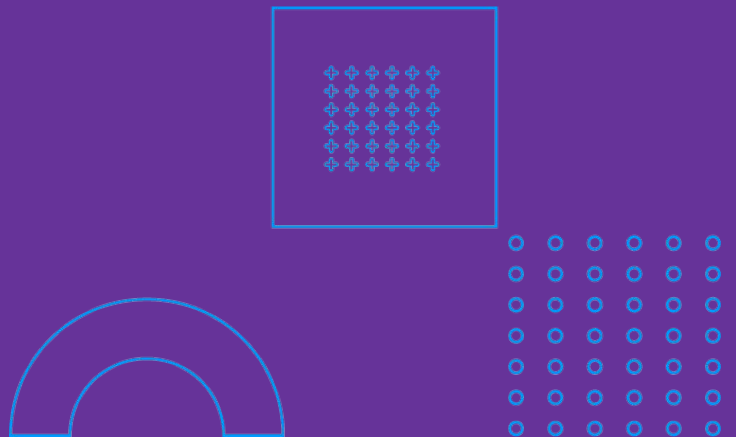
Maximum Flow

Alarm activated when the maximum flow* is higher or equal to 10m3/h for at least 30 seconds. This is calculated considering a pulse factor of 1 liter/pulse

*10.000 liters/hour (10m³/h)

NOTICE: The alarms are deactivated 24 hours after their initiation if their initial condition does not persist.

Appendix



Gas meters

General Reed Switch

Reed Switch		GL Utilities Water & Gas
Standard wire	→	Orange wire
Standard wire	→	Red wire
		Yellow insulated wire
		Brown insulated wire

Gas meters

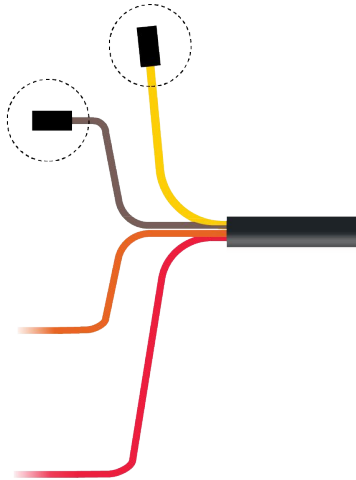
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Reed Switch		GL Utilities Water & Gas
Brown wire	→	Orange wire
Yellow wire	→	Red wire
		Yellow insulated wire
		Brown insulated wire

Water meters

General Reed Switch

Reed Switch		GL Utilities Water & Gas
Standard wire	→	Orange wire
Standard wire	→	Red wire
		Yellow insulated wire
		Brown insulated wire



Water meters

Diehl

Hydrus		GL Utilities Water & Gas
Green wire	→	Red wire
White wire	→	Yellow wire
Brown wire	→	Orange and brown wire

Water meters

Saga

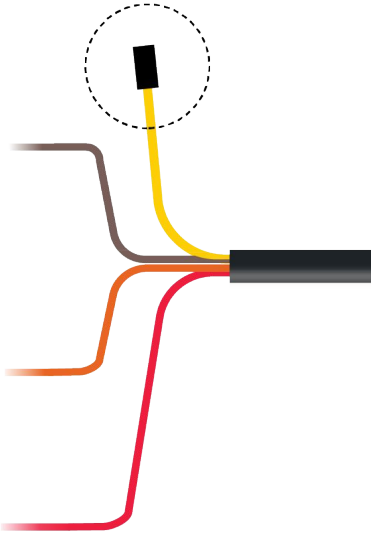
Tech Ultra R400		GL Utilities Water & Gas
Yellow wire	→	Red wire
Green wire	→	Yellow wire
Blue wire	→	Orange and brown wire

Sagasonic		GL Utilities Water & Gas
Red wire	→	Red wire
White wire	→	Brown or orange wire
Yellow wire	→	Yellow wire

Water meters

Gaiatec Sistemas

GT Sonic		GL Utilities Water & Gas
Yellow wire	→	Red wire
Black wire	→	Orange or brown wire
		Yellow insulated wire



Water meters

Sonata

Arad		GL Utilities Water & Gas
Red wire	→	Red wire
Orange wire	→	Orange wire
Black wire	→	Yellow wire
Brown wire	→	Brown wire

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