

Description:

The sensor responds to a presence of an object in the scanning zone by an instantaneous start of water flow. After leaving the scanning zone, the water flow is stopped within approximately 0.5 second. According to its type, the battery is designed either for provision of hot and warm water via mixing valve (additional digit 2), or via hose coupler (additional digit 3), and, also for a single-hose water inlet (additional letter 1). The electrical supply can be provided by an AC 20 V supply source (letter Z) or from a 6 V battery (letter X). The water flow is set up by corner valves. The sensor sensitivity and duration of time fuse are set by a remote controller GW 081 (not included in the shipment).

The product is intended for washbasins or sinks with a mounting hole Ø35 minimum.

Parameters:

Range	0,15 – 0,3 m
Working pressure	0,1 – 0,8 MPa
Water temperature max.	70° C
Power supply:	
Supply voltage	AC 20 V
Power consumption	1,2 W (at rest) 10,7 W (at switching on)

Electrical battery:

Supply voltage	6 V
Service life	5 years approximately (at 200 switchings a day)

Recommended accessories

GW 091Z	Supply source AC 20 V to supply max. 2 pcs of sensors at once
GW 092Z	Supply source AC 20 V to supply max. 4 pcs of sensors at once
GW 081	Remote control for setting up of the sensitivity and duration of time fuse
CRP 2	Lithium battery 6 V



Example of design



Accessories

GW 091Z



GW 092Z



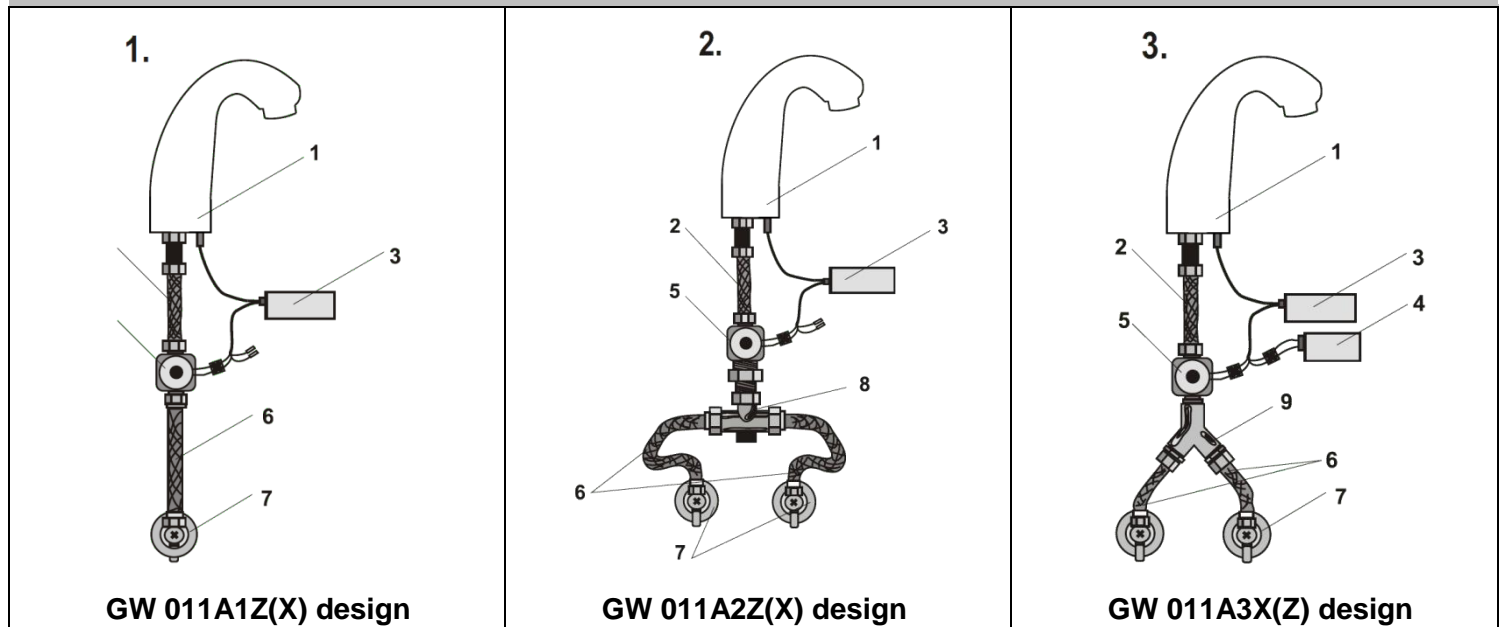
GW 081



CRP 2 battery



Installation



- GW 011A1Z(X) design**
- 1 - Release arm with an optoelectronic switch
 - 2 - Release hose
 - 3 - Electronics

- 4 - Battery case (only –X design)
- 5 - Solenoid valve
- 6 - Connecting hoses (hot/cold)

- 7 - Corner valve (hot/cold)
- 8 - Mixing valve (only A2 design)
- 9 - Coupler (only A3 design)

Assembling recommendations:

- Assembling of water system and electrical installation (in case of power supply) must conform to the current standards and it can be carried out by professionally authorized persons only
- These devices are neither intended for mounting opposite to each other nor opposite to other types of infrared sensors
- It is recommended to install a filter in the water intake, namely in case of old water supply systems
- It is recommended to remove impurities and sediments in water supply by flushing (this would prevent possible damage to solenoid valve)
- The method of installation is evident from pictures
- The water inlet is provided with corner valves to which the already completed assembly is connected
- The solenoid valve shall be interconnected by means of a hose with a release arm, the case with electronics shall be glued with a double-sided adhesive tape under the sink, the FASTON connectors shall be connected to the solenoid valve and the supply voltage shall be connected to the terminal board
- The sensor sensitivity and duration of time fuse are set by a remote controller GW 081 (not included in the shipment)

Ordering method:

When ordering, it is necessary to specify the type of water supply connection (additional digit) and power supply (additional letter)

Example of manufactured types:

GW 011A1Z – upright battery GW 011A with connection to a single-hose water supply and a power supply

GW 011A2Z – upright battery GW 011A with connection to hot and cold water and a power supply

GW 011A3Z – upright battery GW 011A with connection to hot and cold water with a coupler and a power supply

GW 011A1X – upright battery GW 011A with connection to a single-hose water supply with a mixing valve and an electrical battery supply

GW 011A2X – upright battery GW 011A with connection to hot and cold water with a mixing coupler and an electrical battery supply

GW 011A3X – upright battery GW 011A with connection to hot and cold water with a coupler and an electrical battery supply