

## HOW TO CORRECTLY INSTALL A NOWA SENSOR

### Context

There are different types of detectors to detect different types of water leaks. Determining which sensor to use, how to physically install it and especially where the installer can be a more complex task than expected. This document is intended to assist you in the installation of NOWA water leaks sensors.

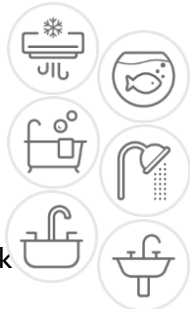
### Determine the location

To determine where sensors should be installed, it is necessary to determine the places where there is a risk of damage caused by water, whether it is a leak, infiltration, or backflow.

Even if the detection of a sewer backup and the closing of the water inlet valve by the NOWA system does not have an impact on the problem, being notified of the situation will allow you to take action more quickly. For example, having a water leak sensor in the attic would allow you to know when infiltration begins rather than knowing once the damage has already been done. This avoids greater damage in addition to possible mold.

Here are some examples of where it is recommended to install a water leak detector:

- AC unit
- Aquarium
- Bathtub
- Shower
- Sink
- Bathroom sink



- Dishwasher
- Washing machine
- Coffee machine
- Ice maker
- Pump
- Refrigerator



- Hot water tank
- Steam dryer
- Toilet
- Main valve

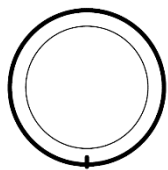


It is important when installing a sensor to determine where water will collect. Due to the slope of some floors, water can accumulate in a place where the sensor is not present. This is why we recommend using a marble of about 3 cm to determine the path where the water will accumulate. The water always goes to the lowest point and that's what the marble will do when dropped on the ground.

To determine the location, place the marble on the ground where the water leak would start (example, place the marble under the water supply pipe of the toilet). Wait for the ball to finish rolling. This will be where water will usually collect.

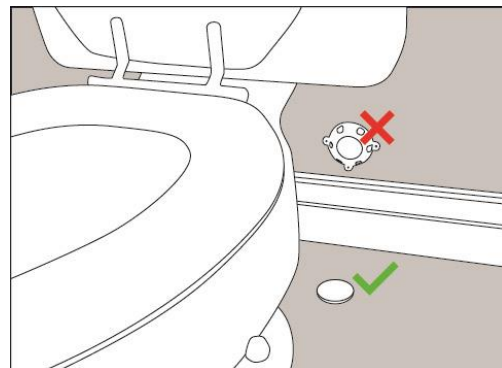
In some cases, the place where the ball will stop may not be an ideal place. You can then use several sensors to protect the place. For example, if water is pooling in the middle of a bathroom, you can install a sensor behind the toilet and under the sink.

## Round Sensor – NOWDSF360



Round sensors are easy and versatile. All it takes is a small accumulation of water under the sensor for it to send a water leak alarm. Round sensors must be placed on the ground with the gold points facing the ground. It is not recommended to mount them on the wall or upside down.

To prevent the sensors from being moved, you can use the protective cage that is provided in the packaging of each sensor. You can screw or glue the cage (double-sided tape, glue or silicone). It is always the cage that will be fixed to the ground and not the sensor. If any product covers the gold detection points, this will prevent the sensor from detecting the presence of water.



## Triangular Sensor – NOWDSF300



The triangular sensors allow the connection of different accessories to extend the detection range. As a common accessory, we find the perimeter detection cable as well as the mini sensor. However, all sensors using a dry contact can be connected to the triangular sensor such as a water level float, for example.

Triangular sensor screws detect water leaks. It is therefore generally necessary to ensure that the screws are pointing towards the ground. The wires of the connected accessories can pass through one of the holes in the middle of each side under the sensor. However, be sure to remove the protective sheath to avoid raising the triangular sensor.

Since the screws of the triangular sensor touch directly on the ground, it is recommended not to install it directly on a concrete floor since it could detect the humidity of the concrete and create a "false" alarm of water leak detection.

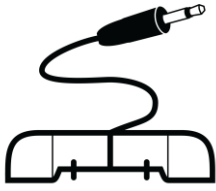
## Perimeter sensing cable – NOWDC010



The perimeter sensing cable can detect a water leak the size of a single drop. If a drop of water touches the twisted part of the cable, it will immediately send out a water leak detection signal. This accessory provides increased protection against damage caused by water leaks, especially those caused in the long term. Thus, a plumbing connection that only drip will, however, be detected and will prevent the proliferation of mold.

Perimeter detection cables are often used to protect dishwashers, water heaters, under baths or in hard-to-reach places.

## Mini probe sensor – NOWDM020



The mini sensor is a small sensor that can be connected to a triangular sensor or to the control panel directly. It provides remote water leak detection at low cost. The space between the two electrodes is about 3 cm. If water touches both electrodes, the sensor will send its water leak signal. Since this sensor is submersible, it can detect where water will regularly accumulate. Mini sensors are often used to protect sink overflows, sump pump wells or near the control panel.

## Other

For all other questions or problems, contact the Technical Support Department for further information or assistance:

- Email: [support@nowa4s.com](mailto:support@nowa4s.com)
- Telephone: [1877 287-7777 #2](tel:18772877777)
- Website: [www.nowasupport.com](http://www.nowasupport.com)

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