

USER MANUAL

WATERTAP

Wall mounted

Prod. no. 390/490



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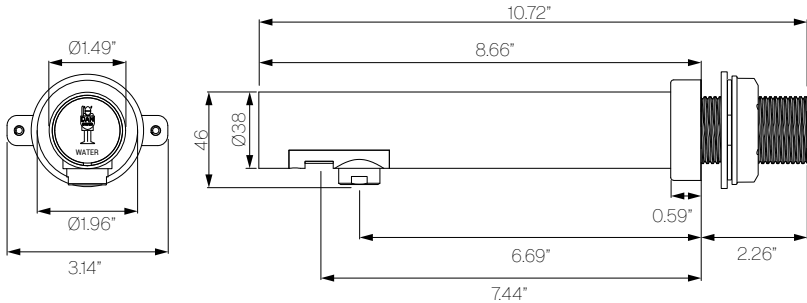
IMPORTANT!
This product falls within the scope of the WEEE directive on recycling and recovery of waste electrical and electronic equipment.

- This product should not be disposed of with general household waste
- This product must be reused if possible
- Contact your local authority for further details
- This product may also be returned to the manufacturer/retailer for proper treatment, recovery and recycling



DIMENSIONS AND TECHNICAL SPECIFICATIONS

Dimensions / unit of measurement: inch



TECHNICAL SPECIFICATIONS

DESCRIPTION	DATA
Material	Stainless steel - AISI 304
Voltage	6V DC, AC/DC adapter is included
Stand-by power	< 0.1 W
Sensor type	Infrared, self adjusting
Sensor range	0.78" - 5.90". Standard 4.72" ± 0.78", adjustable
Suitable water temperature	4 - 60 degrees C
Suitable water pressure	7 - 87 PSI (0.5 - 6 bar)
Time protection	Stops automatically after one minute
Hygienic flush	Automatic flush 12 hours after the last use
Active water consumption	~ 4.5 litre/min
IP Class	IP35
Net weight	2.52 lb
Gross weight	3.41 lb
Model	390, Stainless steel, satin finish
	490, Stainless steel, black PVD-coating



GENERAL SAFETY INFORMATION

WARNING

- Turn off the power to the unit before servicing or cleaning
- Never modify the product
- Never insert objects into any opening in the product
- The product is not intended for playing purposes
- Cleaning and user maintenance must not be carried out by children
- The product may only be used for the applications described in this manual
- Do not use any accessories not recommended by the manufacturer
- The product should be checked on a regular basis. Never use a defective or malfunctioning unit
- The product must be installed, handled, and operated in accordance with DAN DRYER's instructions and regulations. Modification, reconstruction, or alterations to the product are not allowed. Any of these actions will result in the cancellation of DAN DRYER's warranty obligations
- Vandalism and accidental misuse are not covered by DAN DRYER's warranty obligations

NOTE

If the power supply cord is damaged, it must be replaced immediately. Disconnect the electricity supply cord according to instructions.

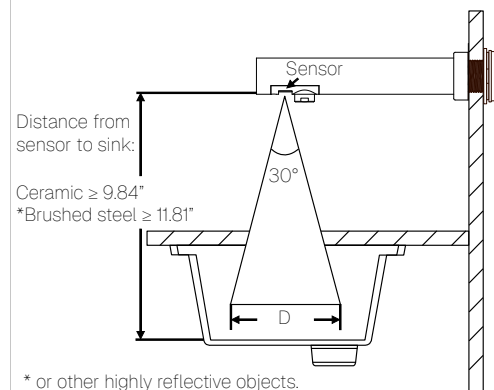
This product is not intended for use by persons (inclusive children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or have been given instruction concerning use of the product by a person responsible for their safety.

Children should be supervised to ensure this product is used correctly.

INSTALLATION

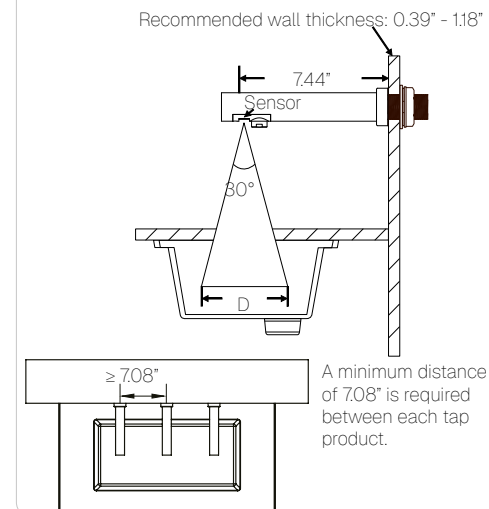
- Make sure the main breaker is turned off. Installation must be carried out by a qualified person in accordance with applicable standards in the country concerned

1. Check the required distance from sensor to sink.

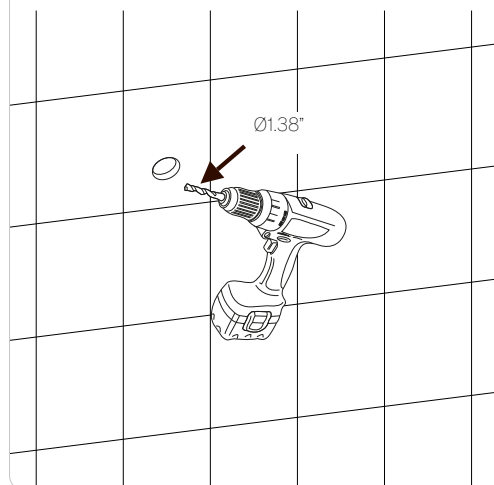


* or other highly reflective objects.
 Sensor field of view:
 Object distance 9.84": D: ≤ 5.03"
 Object distance 11.81": D: ≤ 6.10"
 Objects within range D may cause unintentional activation.

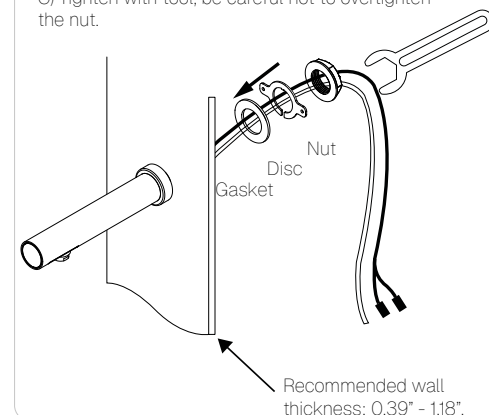
2. Check the required distance from sensor to sink.



3. Mark the desired position on the wall and drill a Ø1.38" mm diameter hole.

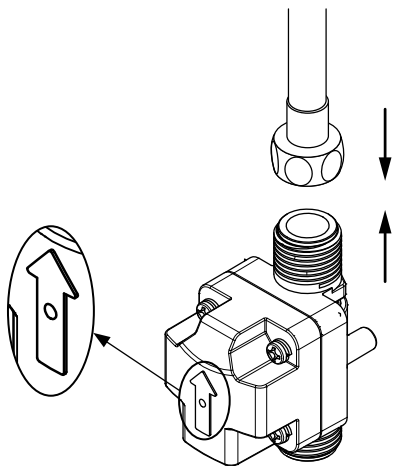


4. Installation of the tap:
 A) Push the screwed bushing through the hole in the wall.
 B) Place gasket, disc, and nut on the threaded coupling of the tap.
 C) Tighten with tool, be careful not to overtighten the nut.

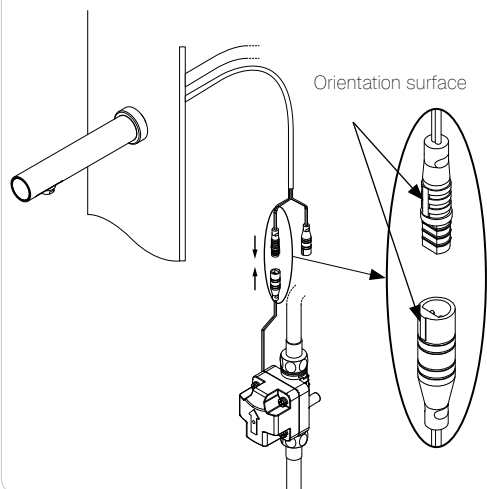


INSTALLATION

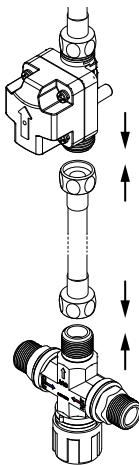
5. The solenoid valve is mounted on the watertap. Ensure the gasket is intact in the tube and the tube from the Water Tap is mounted on the valve outlet. The arrow on the back of valve indicates the water direction.



7. Connect the solenoid valve to the plug with the orange-yellow cable pair. Ensure the plug is inserted the right way up. The orientation surfaces on the plugs must point in the same direction.



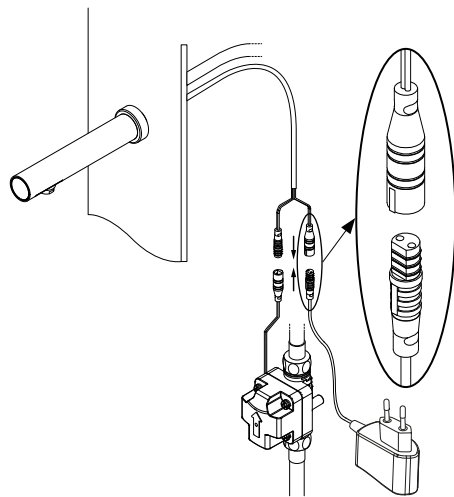
6. Connect the armoured water tube to valve inlet and water supply. Connect a mixing valve if required.



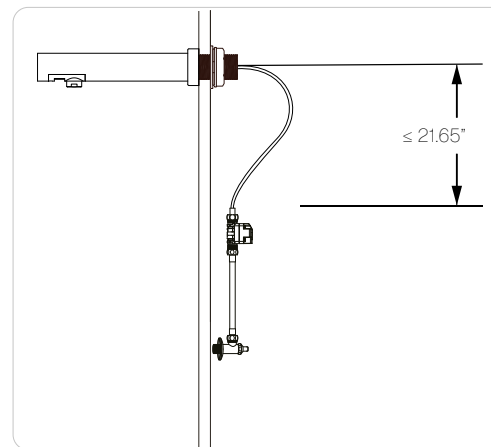
NB:

A shut-off valve must be installed on the water supply line before the solenoid valve to be able to turn off the water supply in case of damage or servicing of the system.

8. 6VDC adapter is connected to red-brown cable pair. Ensure the plug is inserted the right way up. Connect the AC adapter side to a wall plug.



INSTALLATION HEIGHT



IMPORTANT!

- Ensure easy access to maintenance and cleaning of the unit
- It is recommended to ensure easy access to cut the power before cleaning and maintenance
- Do not bend the hose too sharp. It will reduce the water supply

PRODUCT APPLICATION

- Place hands approx. 0.79"-4.72" under the water tap sensor to activate the water flow
- Remove hands after hand washing
- Stops automatically when hands are moved away

LIGHT INDICATOR

Standby	Constant blue light
Active	Pulsing light from blue to red

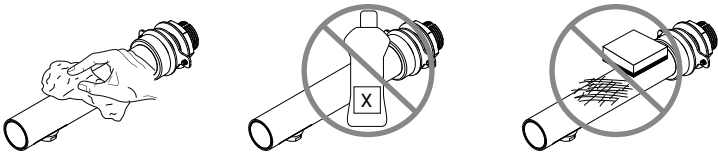


CLEANING AND MAINTENANCE

Routine cleaning and maintenance is recommended every 12 months. This may be required more frequently depending on the local conditions.

CLEANING AND MAINTENANCE OF TAP/SENSOR

- Disconnect the power supply
- Remove dirt/debris
- Do not use running water, pressure washers, or similar equipment for cleaning
- Clean with a damp cloth and a mild soap solution. Never use abrasive cleaners or cleaning products with scouring/corrosive effects
- Clean the sensor with a damp cloth to remove dirt and debris, in order to prevent unintended activations



CALIBRATION OF SENSOR RANGE

- Cut the power
- Connect power to the water tap
- Place your flat hand close to the sensor until the blue light on the front of the tap turns off and starts flashing red (this should be done immediately after the power is turned on)
- Move your hand to the desired activation distance
- When the tap flashes quickly, move your hand close to the sensor again and keep it there until a blue light activates
- The calibration setup has completed with the new distance and the product is ready for use

TROUBLESHOOTING AND CORRECTIVE ACTIONS

SYMPTOM	CORRECTIVE ACTION
No water coming from tap	Ensure power is on. A solid blue light indicates the tap is ready for use. Ensure water supply to the tap. Ensure the hose is not bent or twisted.. Check the IR sensor for dirt, clean if necessary. Cut power to the product, wait for 10 seconds and reconnect. When the blue solid light comes on, it is ready for use. You could try to calibrate the sensor range (see section for sensor calibration, page 9) Contact DAN DRYER A/S if none of the above options work (see back page).
Constantly running water from tap	Ensure power is on. A solid blue light indicated the tpa is ready for use. Check guideline for location of tap relative to sink (see installation point 1 & 2, page 5) Check the IR sensor for dirt, clean if necessary. Cut power to the product, wait for 10 seconds and reconnect. When the blue solid light comes on, it is ready for use. You could try to calibrate the sensor range (see section for sensor calibration, page 9) Contact DAN DRYER A/S if none of the above options work (see back page)

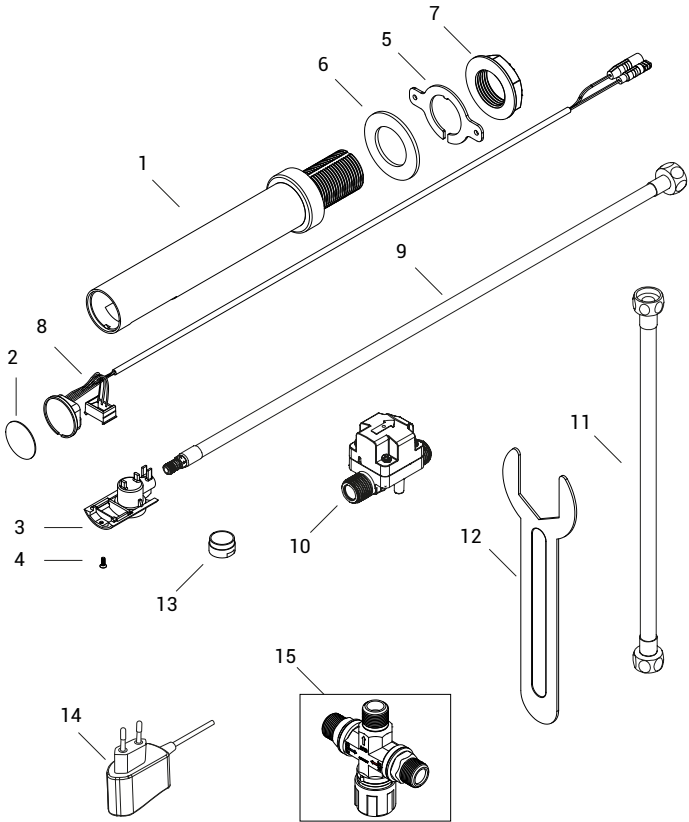
WATCH VIDEO





PARTS LIST

No.	Description	No.	Description
1	Wall mounted Water tap	9	Flexible hose 31.49", union nut 1/2", Nipple M8
2	End piece	10	Solenoid valve
3	Holder for sensor and aerator	11	Flexi hose 11.81", connector 1/2")
4	Screw A2, M3x8	12	Tool for tightening nut
5	Washer	13	Aerator 4.5 LPM, (M20)
6	Large rubber washer	14	AC/DC Adapter
7	Nut	15	Mixing valve (optional accessory)
8	Complete insert (PCB, Sensor, Cable)		



SPARE PARTS LIST

Pos. nr.	Art. nr.	Spare part
1	51698	End piece "WATER"
2	51694	LED terminal board
3	51648	Holder for LED terminal board
4		Sensor housing (upper)
5	51664	Sensor housing silicone liner
6 + 7	51695	Sensor & sensor housing (incl. Art.7-8)
8	50535	Aerator
9	51688	Flex hose 31.49", connector 1/2" / nipple M8
11	51693	TAP water wall-mounted (incl. art. 1-16)
	51691	TAP water desk-mounted (incl. art. 1-16)
12	51705	Plastic bushing
13	51706	Gasket for hushing
14	51697	Disc, stainless
15	51700	Gasket big
16	51696	Nut
17	51690	Solenoid valve
18	51692	AC adapter
19	51687	Flex hose 11.81", connector 1/2"
20	51689	Mixing valve
21	51610	Tightening tool, desk-mounted tap
	51611	Tightening tool, wall-mounted tap

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