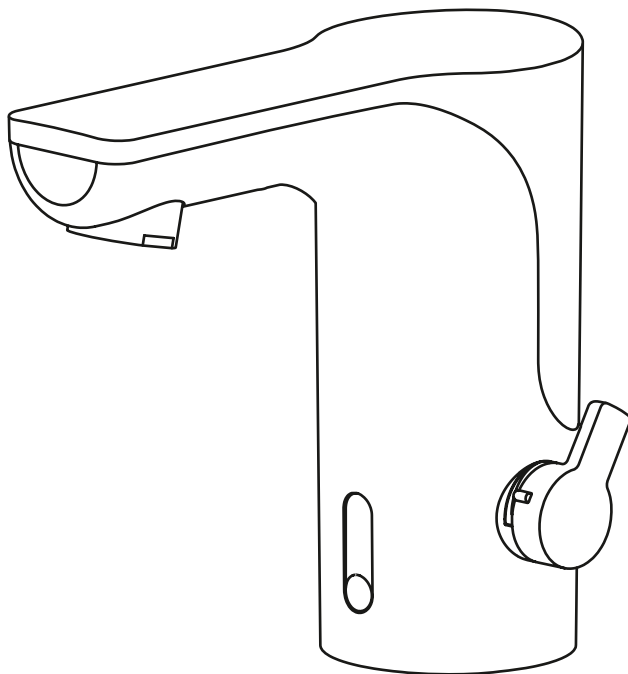# INSTALLATION INSTRUCTIONS

**TRON ELECTRONIC SENSOR TAP** | TR003

progetto
DESIGN COLLECTION

⚠️ **IMPORTANT!**
Please read these instructions **prior** to installation
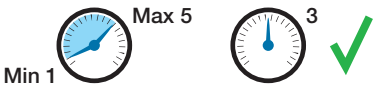
# RECOMMENDATIONS FOR INSTALLATION

⚠️ **ATTENTION: Failure to follow these recommendations may void the warranty. It is recommended that a qualified, licensed tradesperson install this product.**
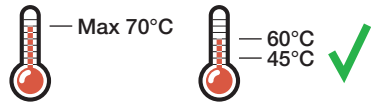
### Water Pressure: 3 bar

Product performance cannot be guaranteed if pressure is less than 1 bar. Above 5 bar a pressure regulator must be installed. Failure to do so voids the product warranty.
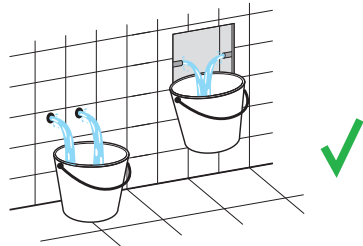
### Water Temperature: 45°-60°C
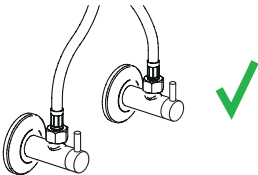
### Stop Taps/Filters

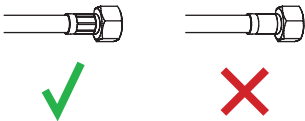Angle valves and/or filters must be used to prevent impurities and debris entering the mixer.
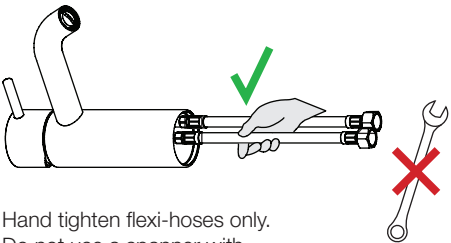
### Pre-Flush

Always flush out the pipework before connecting any tapware. Failure to do so voids the product warranty.
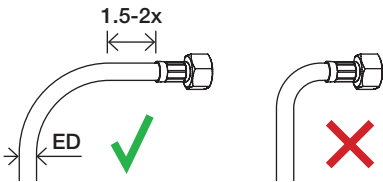
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### Flexible Hoses

Before installation check that both end fittings of the flexible hoses are well tightened/crimped. If in doubt do not install the felxible hose.

Hand tighten flexi-hoses only. Do not use a spanner with excessive force.

Before any bends ensure there is a straight section of the flexible hose from the hose crimp of at least 1.5-2 times the external (ED) diameter of the hose.
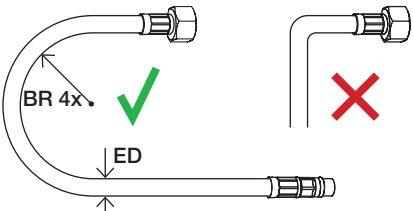
Flexible hose bending radius (BR) should be less than four times the external diameter (ED) of the hose. Do not install with any tension, twists, pinch points or sharp bends/kinks.

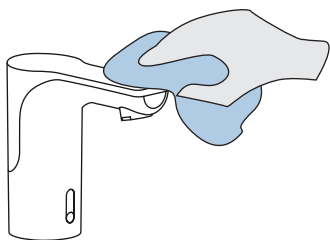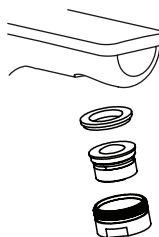# CLEANING & MAINTENANCE

## Cleaning

Clean with warm soapy water and a smooth cloth. Do not use organic, alcohol-based, corrosive or abrasive cleaners or detergents as these will damage the finish.
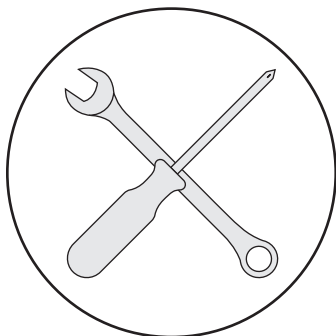
## Aerator Maintenance

Remove the aerator, either with a spanner or an aerator cartridge key.

Immerse for half a day in water-vinegar solution (80-20%).

Wash, then reassemble.

## Warranty Information

For full details about our warranty visit
**plumbline.co.nz/warranty-information**

progetto
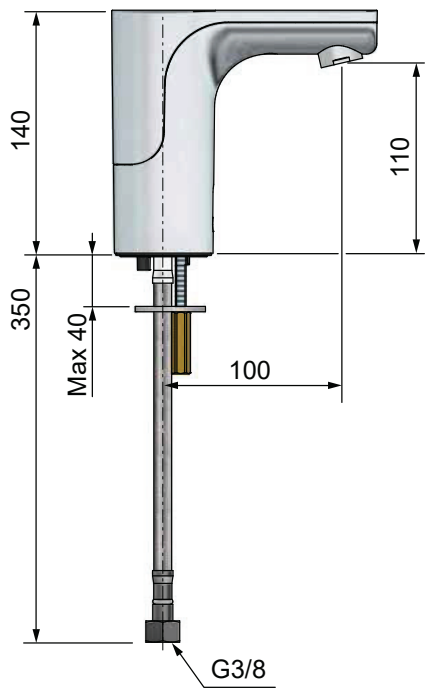


| Standard | EN 15091 |
|---|---|
| Operating pressure | 1–5 Bar  (3 Bar)* |
| Test pressure | 16 Bar |
| Flow rate | 5 l/min |
| Max. inlet hot water temperature | 70 °C  (60 °C)* |
| Check valves | SS-EN 1717  (EB) |
| Connection to water supply | G3/8 Soft PEX® |
| Battery type | CR-P2 6V Lithium |
| External power supply (optional) | 12V AC/DC, 50Hz, >7W |
| Sensor | Attivo IR / Active IR |
| Sensor IP rating | IP67 |
| * Recommended setting | |
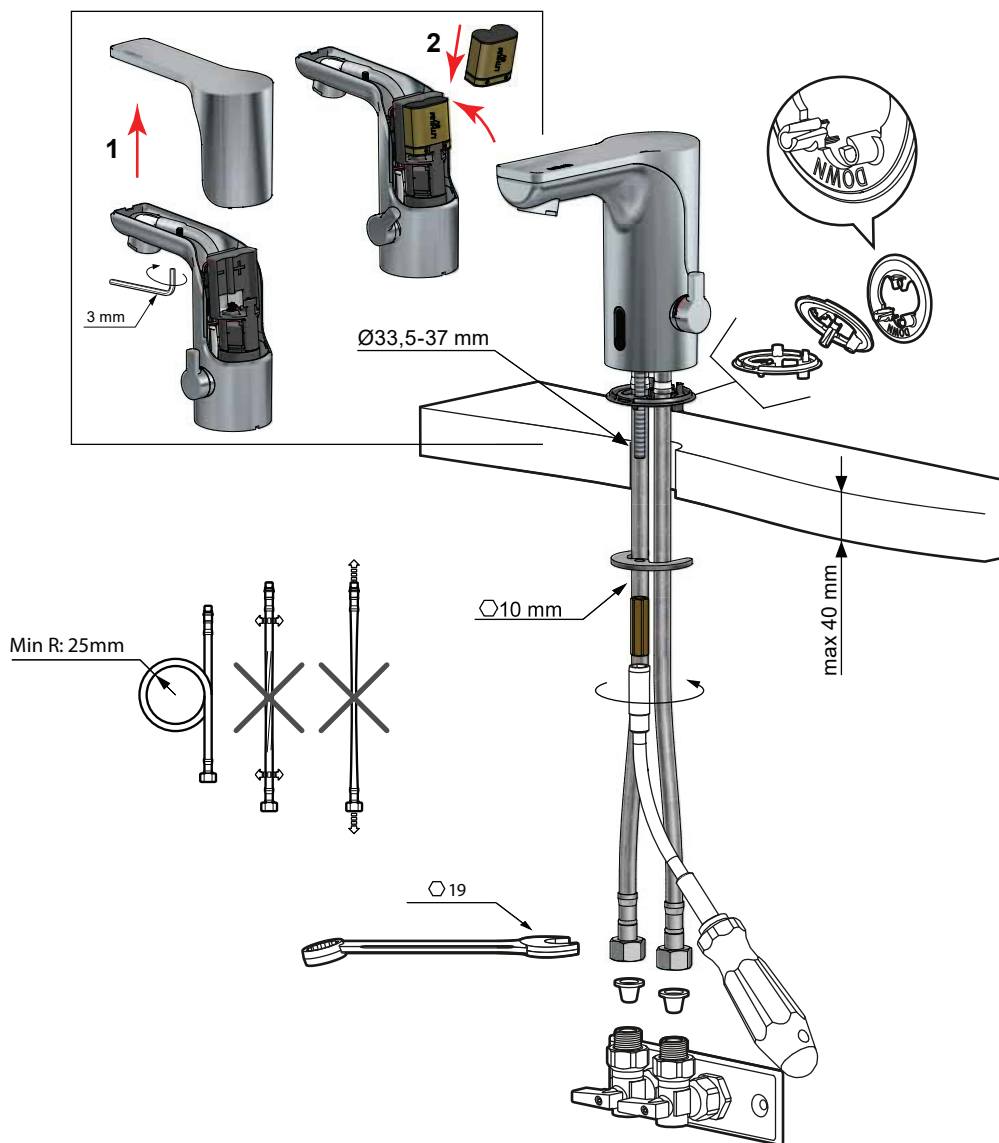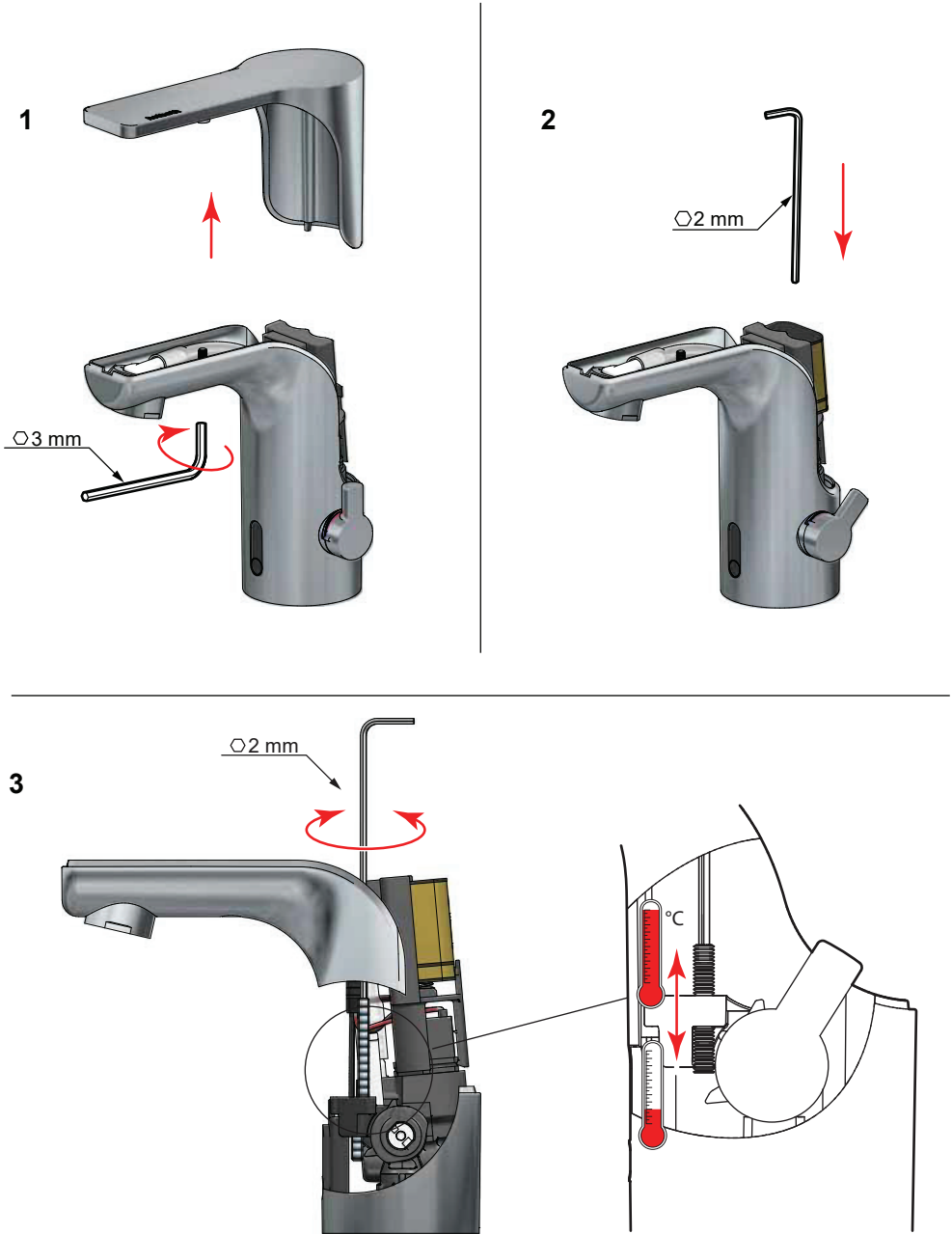
*progetto*

**1**

**2**

3 mm

Ø33,5-37 mm

⬡10 mm

max 40 mm

Min R: 25mm

⬡ 19

DOWN

# REMOVING THE SIDE KNOB

For use with preset temperature

**1**

⌀3 mm

**2**

⌀2 mm

**3**

⌀2 mm

°C

# REMOVING THE SIDE KNOB

For use with preset temperature

**4**



⌀2 mm

**5**



**6**



**7**

⌀ 2 mm



**8**

⌀3 mm

*progetto*
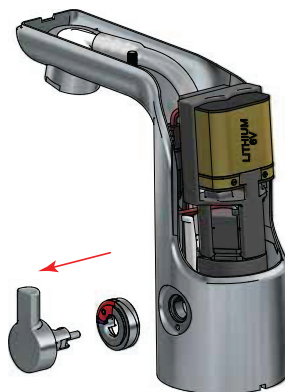


**(1)** Start the mixer once before starting the programming.
**(2)** Press a finger against the lower part of the sensor for 15 seconds.
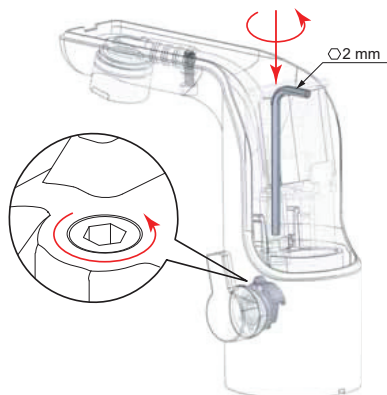**(3)** Remove your finger, then replace it after 5 seconds.
**(4)** While the red light is flashing ✳, select a program by removing your finger immediately after the number of flashes that corresponds to your chosen program (1–6). For example, if you want to select program 2, remove your finger after 2 flash ✳✳.



15 sec.



5 sec.



P1  ✳
P2  ✳✳
P3  ✳✳✳
P4  ✳✳✳✳
P5  ✳✳✳✳✳
P6  ✳✳✳✳✳✳

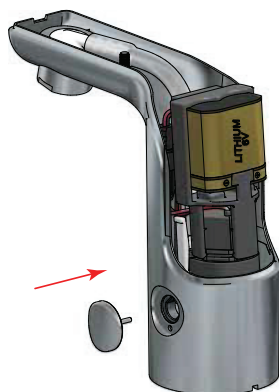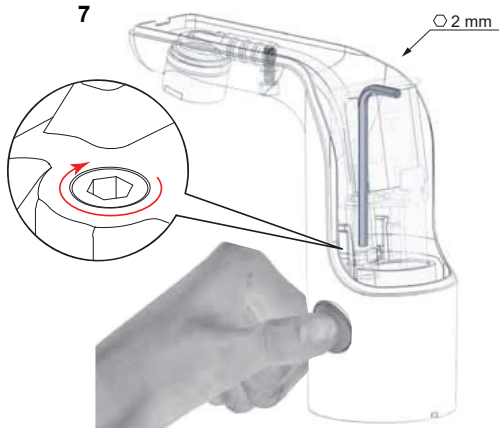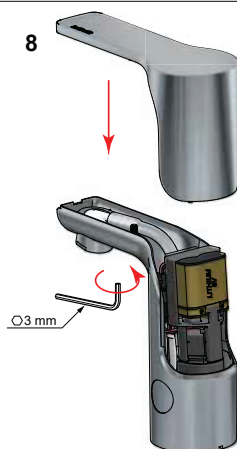| Program | Flush time after use | Hygiene flush time interval (regardless of past usage) | Hygiene flush time | Sustained flush time (manual) |
|---|---|---|---|---|
| 1 (default) | 2 seconds | none | none | 30 seconds |
| 2 | 4 seconds | none | none | 30 seconds |
| 3 | 6 seconds | none | none | 30 seconds |
| 4 | 2 seconds | 72 hours | 3 minutes | 30 seconds |
| 5 | 4 seconds | 72 hours | 3 minutes | 30 seconds |
| 6 | 6 seconds | 72 hours | 3 minutes | 30 seconds |

progetto

**To keep open flow for 30 seconds**

**(1)** Start the mixer once before activating this function.
**(2)** Press and keep your finger on the lower part of the sensor
window for one second to start a 30 second flush cycle **(3)**.
**(4)** In case you want to stop the extended flow, put your finger
back for two seconds.

**To stop function for 60 seconds in order to allow the external cleaning of the mixer:**

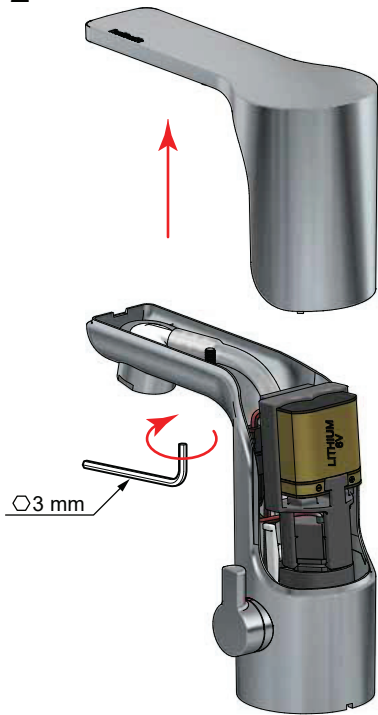**(1)** Start the mixer once before activating this function.
**(2)** Press and keep your finger on the lower part of the sensor window until the red light starts flashing (approximately 15 seconds).
**(3)** Flush will stop for 60 seconds. A red light ✳ will flash during the cleaning mode.
**(4)** When the flashing stops, the tap will return to normal function.
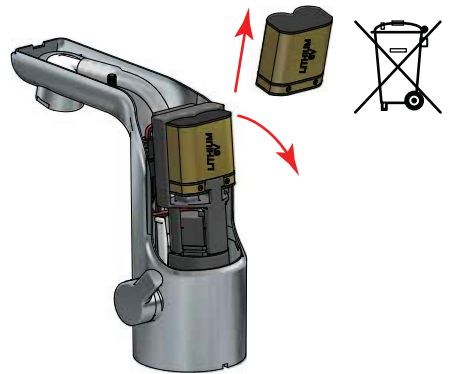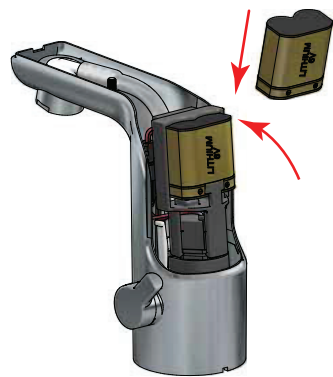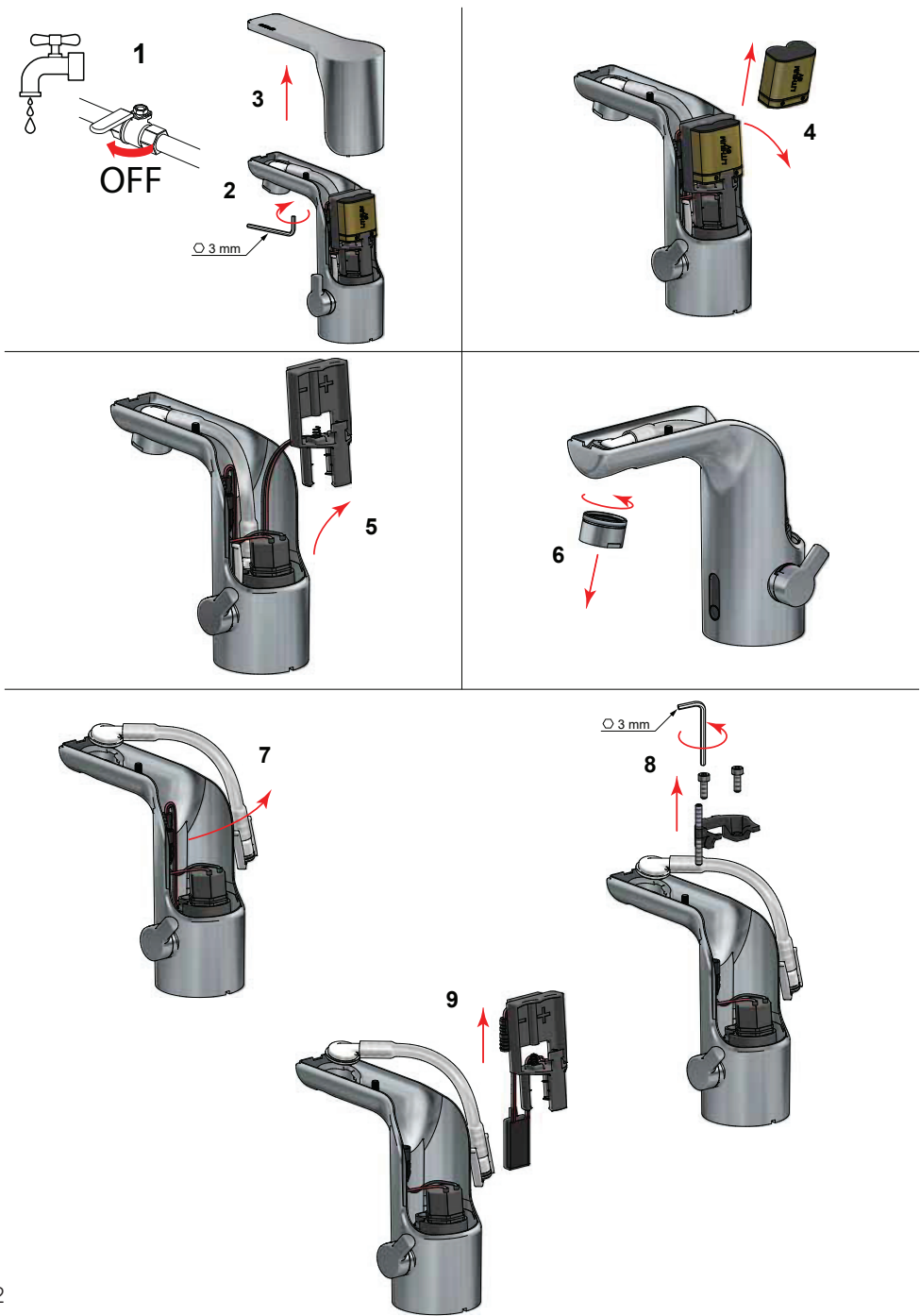
progetto

**1**

Yellow

Red

**2**

◯3 mm

**3**

**4**

progetto

**1**

**3**

**2**

○ 3 mm

OFF

**4**

**5**

**6**

**7**

**8**

○ 3 mm

**9**

# SOLENOID VALVE REPLACEMENT

**1**

OFF

**3**

**4**

⌀ 3 mm

**2**

**5**

1 Nm

21 mm
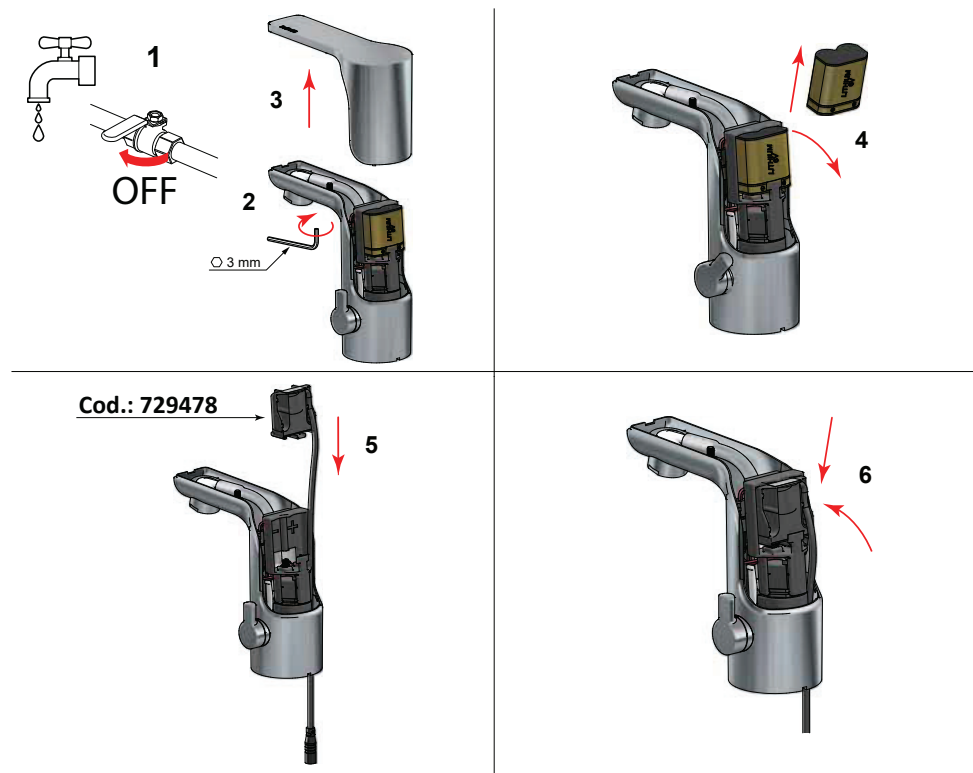
# EXTERNAL POWER SUPPLY (OPTIONAL)

External power supply parts available on request

**1**

**OFF**

**3**

**2**

○ 3 mm

**4**

**Cod.: 729478**

**5**

**6**

250 mm

AC/DC 12 V

External power supply parts available on request

**For 1 sensor mixer**
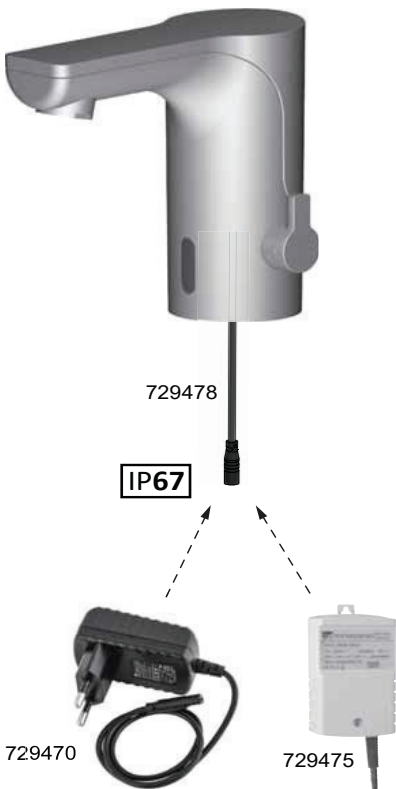
**For 2-9 sensor mixers in-line**

729478

729478

IP**67**

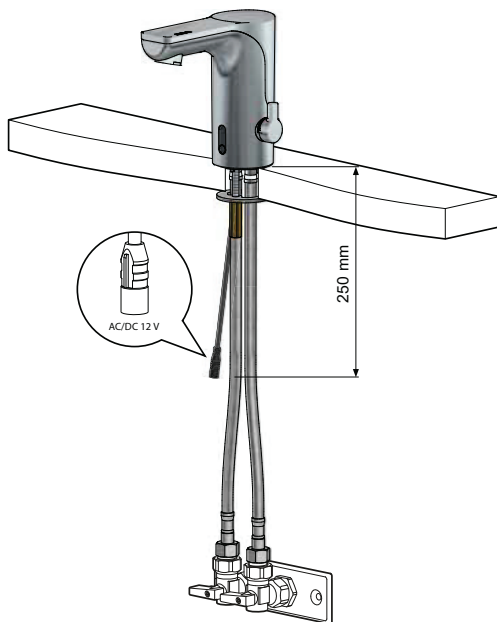IP**67**

729470

729475

729434

729434

729439
(0,3m)

729477
(5m)

729470

729475

# TROUBLESHOOTING GUIDE

progetto

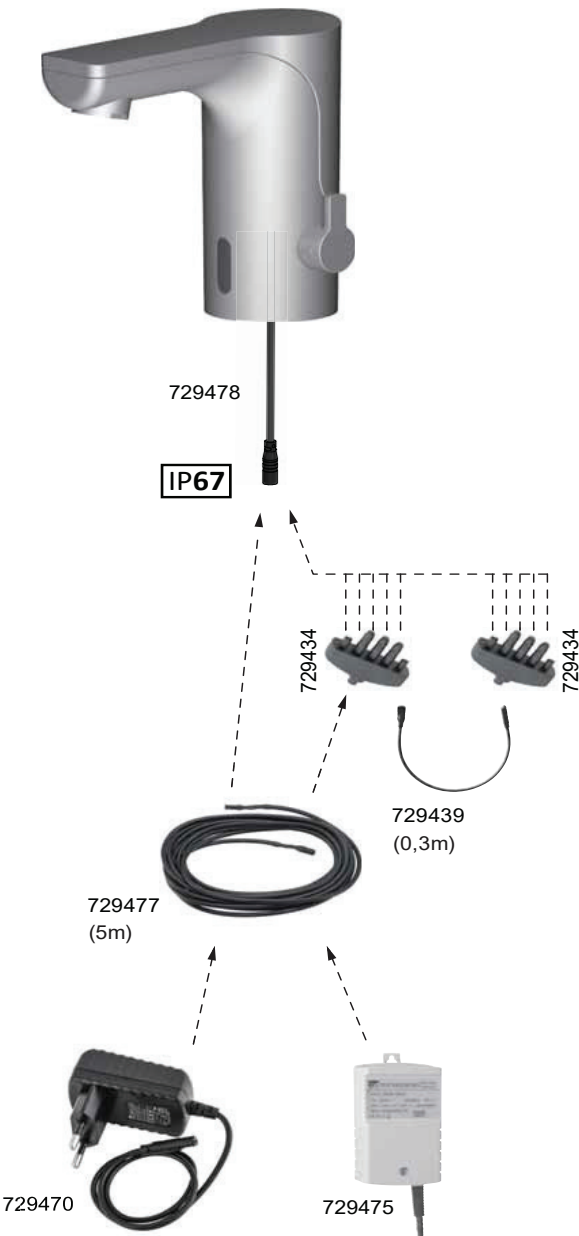| Fault | Possible cause | Action |
|---|---|---|
| No water comes out when tap is activated | Supply voltage is too low | Check battery/voltage |
| | Blocked inlet screens | Clean the inlet screens |
| | Defective/blocked solenoid valve | Replace the solenoid valve |
| Tap does not turn off | The mixer may be in hygiene flush mode | Wait three to thirty minutes or briefly switch off the power. (Yellow LED flashes in flush mode) |
| | Faulty solenoid valve | Replace the solenoid valve |
| | Flush time may be set too high | Wait up to thirty seconds or briefly switch off the power. Reset the sensor. |
| The tap starts running without being turned on | Hygiene flush mode may be activated. Yellow LED flashes in hygiene flush mode | Change program, 1–3 |
| The tap drips | Leaking solenoid valve | Replace the solenoid valve |
| The sensor is flashing | Supply voltage is too low | Check battery/voltage |
| The temperature is not correct | Incorrect water pressure and temperature | Set the temperature value on its coldest/ hottest setting and check that the water pressure and temperature are high enough |
| | The screw for the temperature limiter is not set correctly | Turn the temperature knob to its hottest setting and check the temperature. Then see the section regarding the temperature limiter. |
| The pressure is too high/ low | The aerator is blocked | Clean the aerator |
| | The filters (inlet/solenoid valve) are blocked | Clean the inlet screens and replace the solenoid valve if necessary |
| The programme can not be changed | The tap needs to be activated immediately before programming | Activate it by hand before programming |

V 23.08.2021

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