

LIXIL

**Selectronic Remote Control
Operating Manual**

605XRCW



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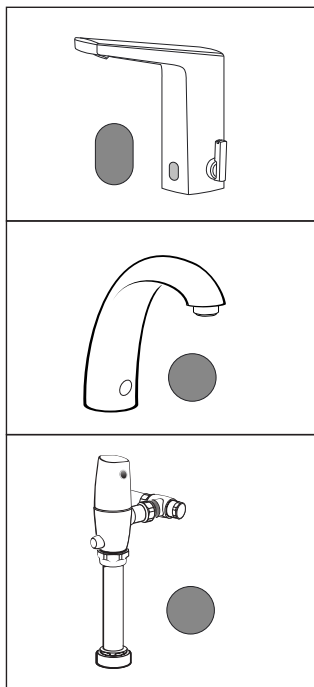
Urinal Flush Valves

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GENERAL INFORMATION



Applications

American Standard and Grohe infrared-controlled fittings can be set using the remote control.

- ! Store and transport remote control properly to avoid damage.

Technical Data

- Protection class: IPX4
- Battery: 3 x Micro 1.5 V (MA, LR03)



Approval and conformity

This product conforms to the requirements of the relevant EU directives.

Note: This remote can only program the American Standard and Grohe IR Sensor having a flashing, YELLOW LED. To ensure the correct sensor is being programmed, resetting the battery is recommended by disconnecting and reconnecting the connection from the sensor to the battery. A YELLOW LED will start to flash ten times every second.

FUNCTIONS

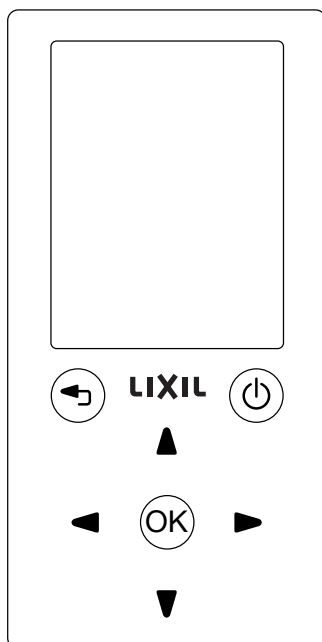
The functions of the remote control differ depending on the sensor type of the fitting:

The proximity sensing area must be vacated immediately after the indicator lamp flashes.

Fittings with yellow indicator lamp in the sensor system (bidirectional control):

- Retrieve monitoring information
- Retrieve and change settings and functions
- Retrieve service information
- Activate and change service settings

DEVICE OVERVIEW



BUTTONS

On/Off button



- Switch on remote control
- Switch off remote control

Arrow buttons



- Navigation in the menu
- Selection of menu items and functions
- Setting values

OK button



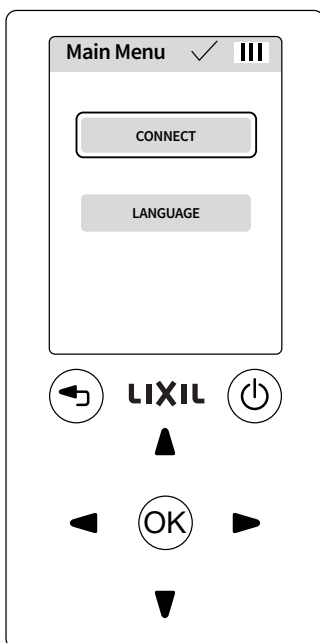
- Confirming a selection
- Switching between 2 values

Back button



- Return to the higher menu level

SCREEN



Main Menu



Current Menu

Remote control battery level

Data transfer status display

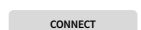


Data transfer successful

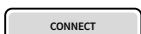


Data transfer failed
Data transfer fails if the remote control is not correctly adjusted to the sensor system.

Selection fields



not selected



selected



confirmed



activated



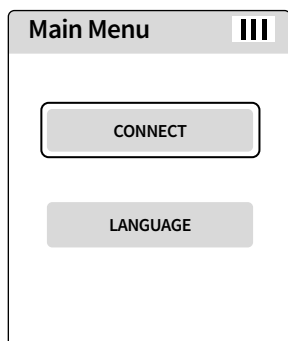
Slider for settings

The factory setting is marked as a gap in the slider bar.



The screen goes dark if no button is pressed for 180 s.
Pressing any button reactivates the screen.

GENERAL OPERATION

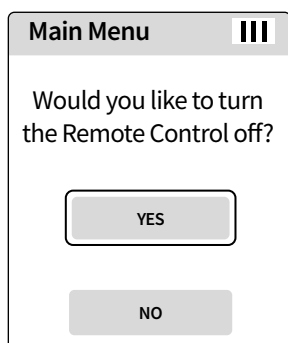


Switch ON remote control

Press and hold on/off button for 2 s.

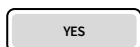
LIXIL

The start display appears on the screen.
The main menu then appears.



Switch off remote control

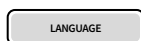
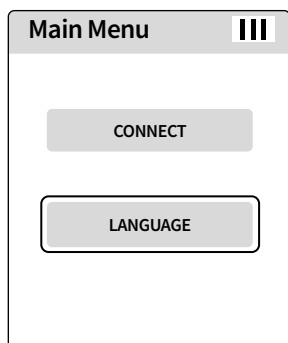
Press and hold on/off button for 2 s.



A prompt then appears and must be confirmed.

The remote control shuts off automatically if no button is pressed for 15 min.

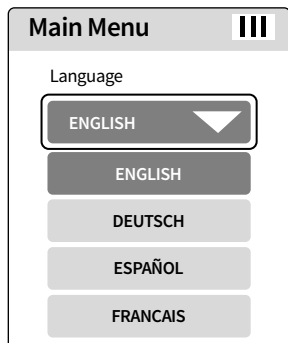
SET LANGUAGE



Open submenu for language setting.



Open the drop-down menu with the OK button.
Select desired language.



Leave submenu.

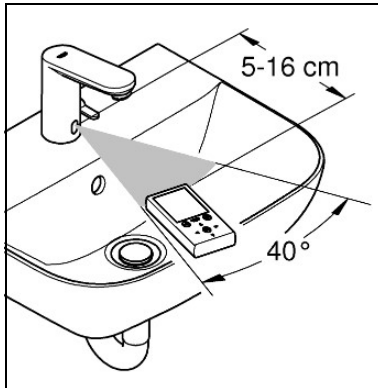
RECEIVE MODE

Battery-operated fittings must be switched to receive mode before data transfer:

- Start water flow for wash basin fittings.
- For urinal fittings, allow an object to be detected for at least 5 s by the sensor system.

The fitting is ready to receive input for 10 s.

Fittings are ready to receive input for 3 min after the voltage supply is connected.

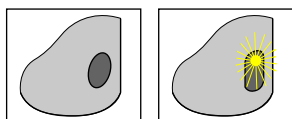


Align remote control

Point remote control at the sensor system at a distance of 5-16 cm (2'-6-1/3").

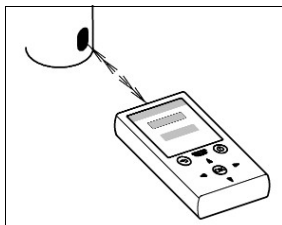
Do not hold remote control within range of the water jet.

OPERATION OF FITTINGS



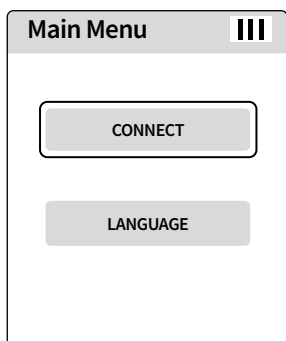
Operation of fittings with bidirectional control

Establish connection to fitting



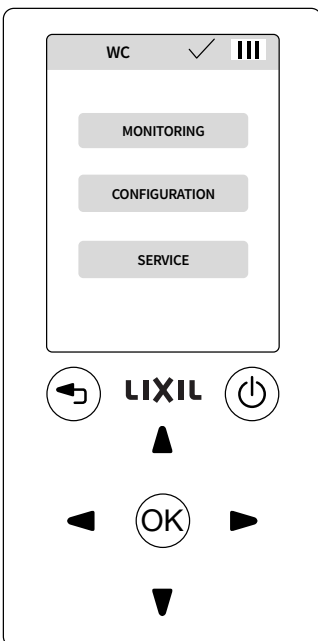
Switch fitting to Receive mode.

Point remote control at the sensor system and start data transfer within 10 s:



Select menu item, to establish the connection to fitting.

FITTING TYPE MODE



The remote control opens the menu of the respective fitting type.



The status indicator shows whether the data transfer was successful.

The menu display shows the respective fitting type:

BASIN MIXER

Faucet

URINAL

Urinal

WC

WC

MONITORING

Monitoring

CONFIGURATION

Configuration

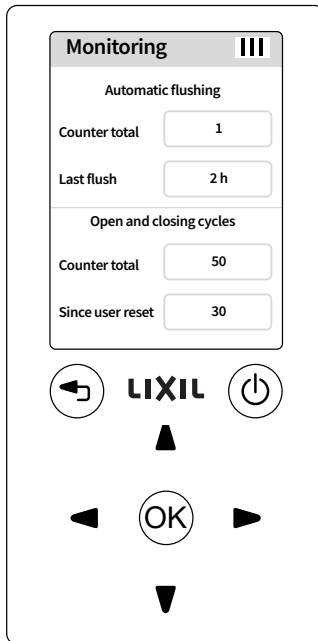
SERVICE

Service



The configuration of a fitting type can be saved in a profile. The profile is saved and loaded in the Service menu.

MONITORING



Scroll through monitoring information.

Sanitary flush

Counter total Number of sanitary flushes since the fitting was commissioned.

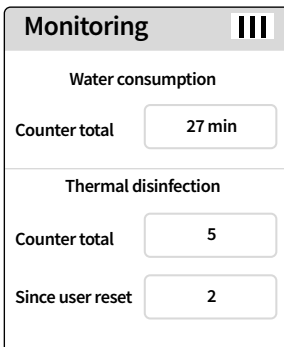
Last flush Time elapsed in hours since the last automatic flushing.

Open and closing cycles

Counter total Number of actuations since the fitting was commissioned.

Since user reset Number of actuations since the user counter was reset.

WATER CONSUMPTION



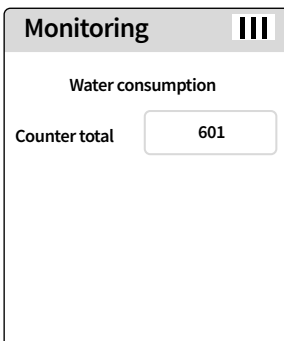
Water consumption (basin mixer)

Counter total Water consumption in minutes since the fitting was commissioned.

Thermal disinfection (basin mixer)

Counter total Number of thermal disinfections since the fitting was commissioned.

Since user reset Number of thermal disinfections since the user counter was reset.



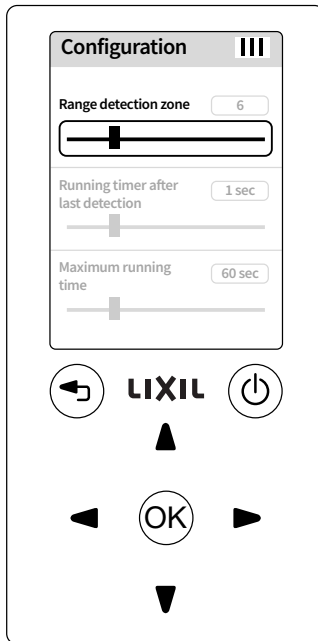
Water consumption (urinal and WC)

Counter total Water consumption in litres since the fitting was commissioned.

BASIN MIXER

(FAUCETS)

BASIN MIXER FAUCETS



Configuration for faucet fittings

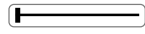


Scroll through configuration items.

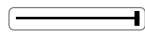
The configuration items are sent to the fitting in a data record.

Detection zone

Distance within which the sensor system detects an object.



Level 0 5 cm (2")



Level 19 35 cm (13-3/4")

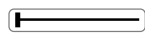


Set value.

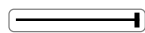
Factory setting: Level 8 (16 cm)

Running timer after last detection

Time for the water to run after the user's hands are removed from the detection zone.



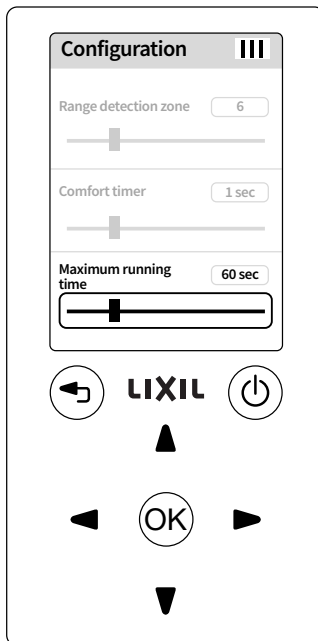
0 s



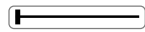
19 s

Default: 1 s

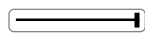
MAXIMUM RUNNING TIME



Fitting closes automatically after an amount of time corresponding to the setting during continuous detection of an object (automatic safety shut-off).



6 s



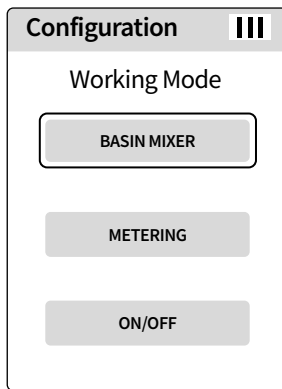
420 s



Set value.

Factory setting: 30 s

WORKING MODE



Basin Mixer (Faucets)

The water flow starts when a user's hands are in the detection zone and turns OFF when removed.

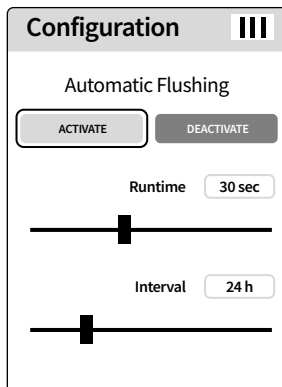
Metering

The water flow starts when a user's hands are in the detection zone and turns OFF at the programmed time.

On/Off

Same function as Metering except water flow can be turned OFF before the preset time by blocking the sensor after the water flow has start.

AUTO PURGE



Allows the faucet to automatically turn on after a set time period of non-use.

Maintaining the trap seal and preventing the water from becoming stagnant.

DEACTIVATE

Default Setting: Off

Runtime

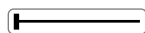


30 s



600s

Interval



4 h



80 h

AUTOMATIC FLUSHING MODE

Configuration III

Automatic flushing mode

Cleaning Mode

Runtime

Usage Dependent

USAGE DEPENDENT

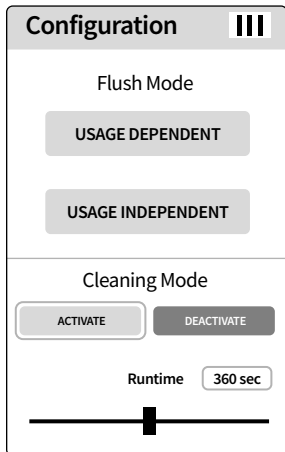
Water will turn on after the last use of the fitting.

Usage Independent

USAGE INDEPENDENT

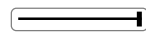
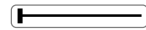
The water will turn on after the interval from the setting.

CLEANING MODE



CONNECT

CONNECT



If cleaning mode is activated, water flow can be locked temporarily. The locking of the water flow works through proximity sensing on the sensor system.

Activate/deactivate cleaning mode

Activate cleaning mode.

Deactivate cleaning mode.

Switching between the two states.

Factory setting: Activated

Length of Cleaning Mode

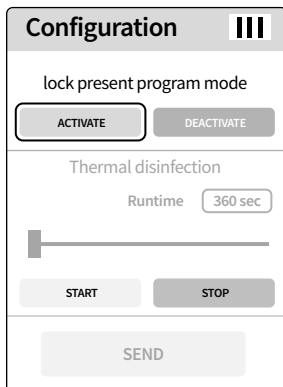
180 s

540 s

Set value.

Factory setting: 180 s

LOCK PROGRAM MODE



CONNECT

CONNECT



If program mode is locked, the program cannot be manually adjusted by proximity sensing on the sensor system.

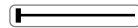
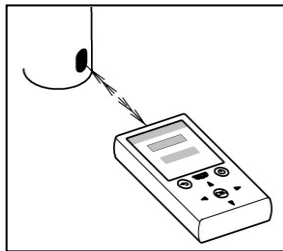
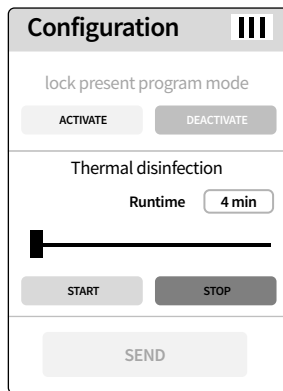
Activate program mode locking.

Deactivate program mode locking.

Switching between the two states.

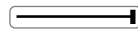
Factory setting: Deactivated

THERMAL DISINFECTION



Runtime of thermal disinfection

4min



30 min



Set value.

Factory setting: 30 min

Start/stop thermal disinfection

Turn the mixer lever or thermostat to the hot water stop.

The command is transferred to the fitting immediately.

Point remote control at the sensor system.

Start thermal disinfection.



The status indicator shows whether the data transfer was successful. The fitting starts thermal disinfection.



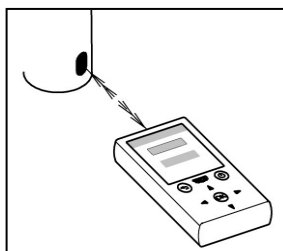
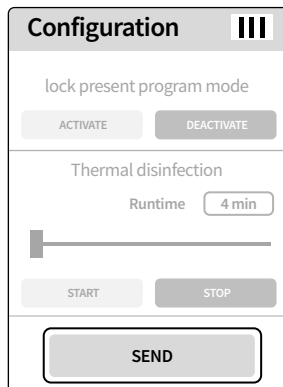
Stop thermal disinfection before the end of the runtime in the setting.



The status indicator shows whether the data transfer was successful. The fitting stops thermal disinfection.



SEND CONFIGURATION



The remote control transfers the data record with the current settings to the fitting.

Point remote control at the sensor system.

Select menu item, to transfer the data record.

The status indicator shows whether the data transfer was successful.

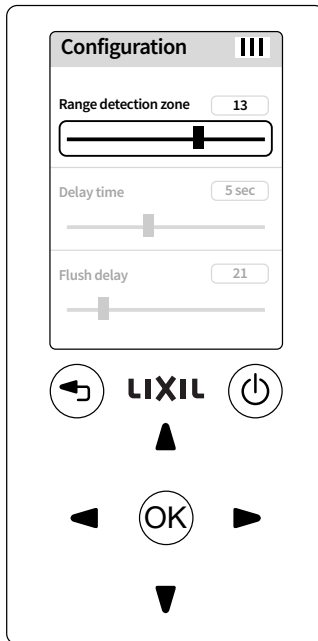


If no data are transferred for 15 min, the fitting must be switched back to Receive mode before data transfer.

TOILET

(Water Closet)

TOILET FLUSH VALVES



Configuration for toilet flush valves

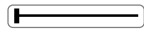


Scroll through configuration items.

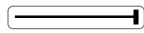
The configuration items are sent to the fitting in a data record.

Range Detection zone

Distance within which the sensor system detects an object.



Level 0 40 cm (15 3/4")



Level 19 80 cm (31 1/2")




Set value.

Factory setting: Level 14 (60 cm)

The detection zone can also be set in Test mode (Service menu).


DETECTION AND FLUSH DELAY TIME

Configuration 

Range detection zone

Detection delay time

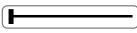
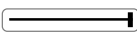

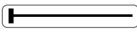
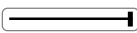

Flush delay

Configuration 


Range detection zone

Detection delay time

Flush delay

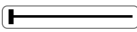
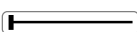
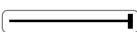
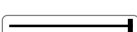
-  2s
-  10 s
-  Set value.
- Factory setting: 8 s
- Flush delay**
-  0 s
-  19 s
-  Set value.
- Factory setting: 2 s

FLUSH VOLUME

Configuration 

Flush volume

Flush time

- Flush volume**
-  0.110 g
-  4.4 g
- Flush Time**
-  0.25 s
-  10 s

FLUSH DURING CONTINUOUS DETECTION

The configuration screen for 'Flush during continuous detection' features a title bar with 'Configuration' and a menu icon. Below the title, the section is labeled 'Flush during continuous detection'. It contains two buttons: 'ACTIVATE' and 'DEACTIVATE'. Below this section is another section labeled 'Pre-flush', which also contains 'ACTIVATE' and 'DEACTIVATE' buttons.



During continuous detection of an object, a flushing occurs every 2 min (max. 14 x).

Activate flush during continuous detection.

Deactivate flush during continuous detection.

Switching between the two states.

Factory setting: Activated

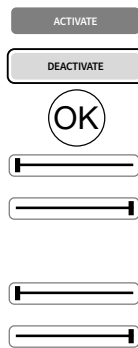
Pre-flush

When the sensor detects an object, a small flush is triggered after 2 seconds.

Factory Setting: Deactivated

PERIODIC HEAVY FLUSH

The configuration screen for 'Periodic Heavy Flush' has a title bar with 'Configuration' and a menu icon. The section is titled 'Heavy flush' and includes 'ACTIVATE' and 'DEACTIVATE' buttons. Below this, there are three settings: 'Count of flushes' with a numeric input set to '10' and a slider; 'Duration' with a slider; and another 'Duration' with a slider.



A large amount of water is delivered after a pre-programmed number of flushes (or time) to prevent the drain from clogging.

Activate Heavy Flush

Deactivate Heavy Flush

Count of flushes

10

100

Duration

1 s

15 S

DETECTION TIME DEPENDABLE FLUSH

The configuration screen for 'Detection Time Dependable Flush' has a title bar with 'Configuration' and a menu icon. The section is titled 'Detection Time Dependable Flush' and includes 'ACTIVATE' and 'DEACTIVATE' buttons.



If the sensor detects a user for <60 s, the flush will be 1.1 gallons. If the user is in the detection zone for >60 s, the flush will occur as programmed.

Activate dual flush

Deactivate dual flush

Factory Setting: Off

SANITARY FLUSH

Configuration III

Flush during continuous detection

ACTIVATE DEACTIVATE

Interval 24 h

Sanitary flush mode

USAGE DEPENDENT

USAGE INDEPENDENT

Allows the flush valve to automatically flush after a set period of time of non-use to clean the fixture and maintain the trap seal.

Interval

4 h

80 h

Sanitary Flush Mode

The valve will automatically flush after the pre-programmed period of non-use.

The water will turn on after the interval from the setting.

CLEANING MODE

Configuration III

Cleaning mode

ACTIVATE DEACTIVATE

Runtime 180 sec

Lock present program mode

ACTIVATE DEACTIVATE

SEND

If cleaning mode is activated, water flow can be locked temporarily. The locking of the water flow works through proximity sensing on the sensor system.

Activate/deactivate cleaning mode

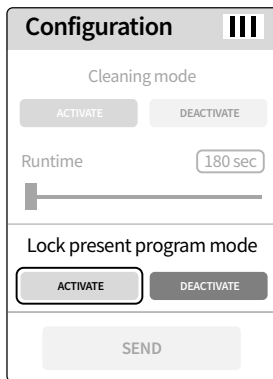
Activate cleaning mode and set the lock time.

Deactivate cleaning mode.

Switching between the two states.

Factory setting: Deactivated

LOCK PROGRAM MODE



If program mode is locked, the program cannot be modified by proximity sensing on the sensor system.

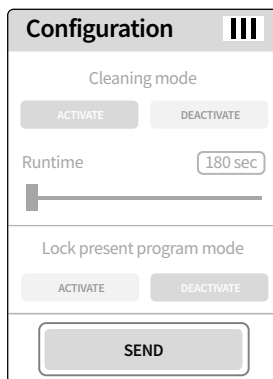
Activate program mode locking.

Deactivate program mode locking.

Switching between the two states.

Factory setting: Deactivated

SEND CONFIGURATION

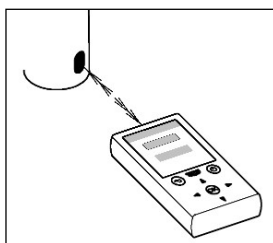


The remote control transfers the data record with the current settings to the fitting.

Point remote control at the sensor system.

Select menu item, to transfer the data record.

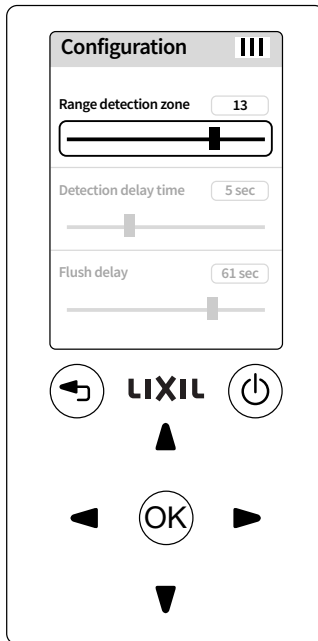
The status indicator shows whether the data transfer was successful.



If no data are transferred for 15 min, the fitting must be switched back to Receive mode before data transfer.

URINAL

RANGE DETECTION ZONE

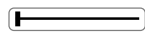


Scroll through configuration items.

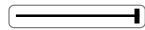
The configuration items are sent to the fitting in a data record.

Range detection zone

Distance within which the sensor system detects an object.



Level 0 40 cm (15-3/4")



Level 19 80 cm (31-1/2")

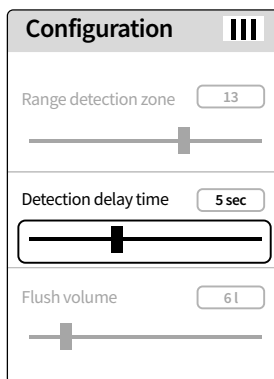


Set value.

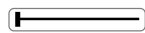
Factory setting: Level 14 (60 cm)

The detection zone can also be set in Test mode (Service menu).

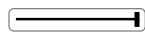
DETECTION AND FLUSH DELAY TIME



Time that elapses between when a user is detected.



2s



10 s

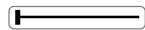


Set value.

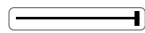
Factory setting: 8 s

Flush delay

Time that elapsed when the detection zone is left and a flush is triggered.



0 s

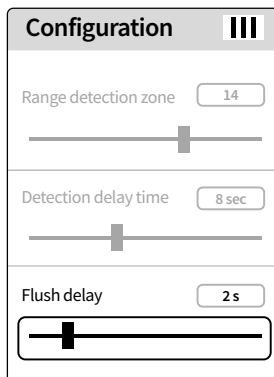


19 s



Set value.

Factory setting: 2 s

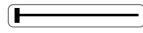


FLUSH VOLUME

Configuration IIII

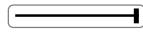
Flush volume 0.500 g

Flush time 400 s



Flush volume

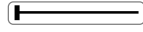
0.031 g



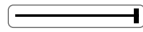
1.25 g

Flush Time

0.25 s



10 s



STADIUM MODE

Configuration IIII

Stadium Mode

ACTIVATE DEACTIVATE

Pre-Flush

ACTIVATE DEACTIVATE



Automatically flushes every 2 minutes during period of heavy usage (2 sec. between users) and returns to normal when there are more than 2 sec. between users.

Activate stadium mode



Deactivate stadium mode



Factory settings: Deactivated

PRE-FLUSH

Configuration IIII

Stadium mode

ACTIVATE DEACTIVATE

Pre-flush

ACTIVATE DEACTIVATE

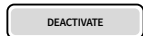
Detection time dependable flush volume

ACTIVATE DEACTIVATE



2 s after an object is detected, a flushing with the smallest flow volume occurs.

Activate pre-flush.



Deactivate pre-flush.



Switching between the two states.

Factory setting: Deactivated

HEAVY FLUSH

Configuration III

Heavy flush

ACTIVATE DEACTIVATE

Continued flushes 10 sec

Duration 15 s

A large amount of water is delivered after a pre-programmed number of flushes (or time) to prevent the drain from clogging.

ACTIVATE

Activate heavy flush

DEACTIVATE

Deactivate heavy flush

Count of flushes

10

10

100

100

Duration

1 s

1 s

15 s

15 s

AUTOMATIC FLUSHING

Configuration III

Flush during continuous detection

ACTIVATE DEACTIVATE

Interval 24 h

Sanitary flush mode

USAGE DEPENDENT

USAGE INDEPENDENT

Flush during continuous detection

Allows the flush valve to automatically flush after a set period of time of non-use to clean the fixture and maintain the trap seal.

Interval

4 h

4 h

80 h

80 h

Automatic Flushing Mode

The valve will automatically flush after the pre-programmed period of non-use.

USAGE DEPENDENT

The water will turn on after the interval from the setting

USAGE INDEPENDENT

CLEANING MODE

Configuration

Cleaning mode

ACTIVATE DEACTIVATE

Runtime 180 sec

Lock present program mode

ACTIVATE DEACTIVATE

SEND



If cleaning mode is activated, water flow can be locked temporarily. The locking of the water flow works through proximity sensing on the sensor system.

Activate/deactivate cleaning mode

Activate cleaning mode and set the lock time.

Deactivate cleaning mode.

Switching between the two states.

Factory setting: Activated

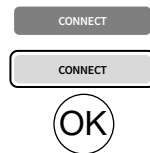
LOCK PROGRAM MODE

Configuration

lock present program mode

ACTIVATE DEACTIVATE

SEND



If program mode is locked, the program cannot be modified by proximity sensing on the sensor system.

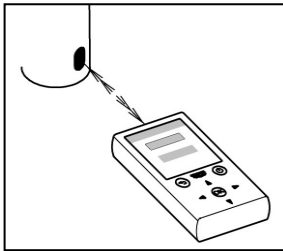
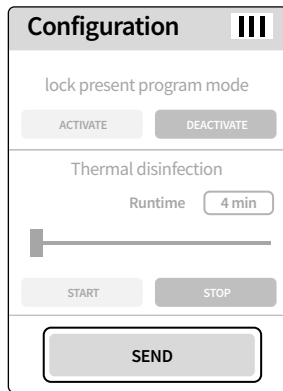
Activate program mode locking.

Deactivate program mode locking.

Switching between the two states.

Factory setting: Deactivated

SEND CONFIGURATION



The remote control transfers the data record with the current settings to the fitting.

Point remote control at the sensor system.

Select menu item, to transfer the data record.

The status indicator shows whether the data transfer was successful.

If no data are transferred for 15 min, the fitting must be switched back to Receive mode before data transfer.

SERVICE

SERVICE

Service |||

Model name

Software version

Serial number

Date of production

Voltage supply

Navigation icons: Back, LIXIL logo, Power, Up, OK, Down.



Scroll through service items.

Service information

Model name	Type of fitting: BASIN MIXER (faucet)/ URINAL/ TOILET
Software version	Sequential number of the software version
Serial number	Serial number of the infrared electronics
Date of production	Calendar week and year of production of the infrared electronics
Voltage supply	AC operation / battery operation During AC operation, the remaining battery capacity of the fitting is shown as a %.
Power cut	Number of power cuts since the fitting was commissioned.

Service |||

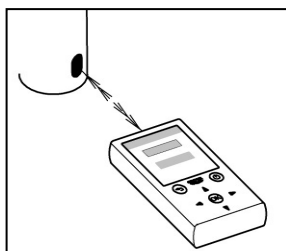
Power cut

SWITCH OFF FITTING

Service |||

Power cut

Switch product off



Point remote control at the sensor system.



Switch off fitting.



The status indicator shows whether the data transfer was successful. The fitting is switched off, and the sensor system produces a flashing signal.

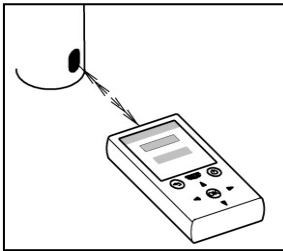
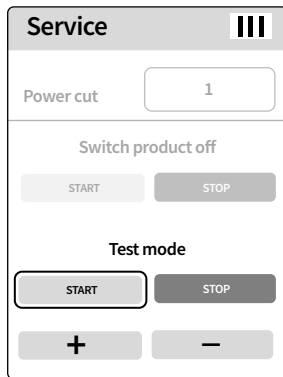


Switch fitting back on.



The status indicator shows whether the data transfer was successful. The fitting is switched back on.

TEST MODE



In test mode the detection zone is tested without flowing water. The water flow is simulated by lighting the indicator lamp in the sensor system.

Point remote control at the sensor system.



Start test mode.



Increase detection zone.



Reduce detection zone.

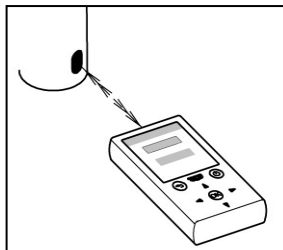
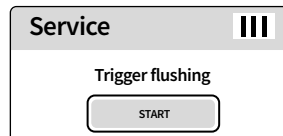


Stop test mode.



For each actuation, the status display indicates whether the data transfer was successful.

TRIGGER FLUSHING (TOILET OR URINAL)



Point remote control at the sensor system.

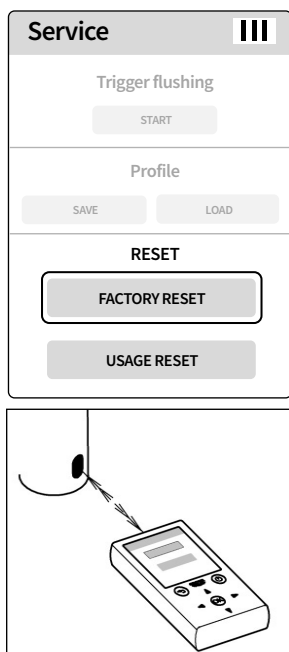


Trigger flushing.



The status indicator shows whether the data transfer was successful. The fitting starts a flushing with the preset flow volume.

RESET



FACTORY RESET

Point remote control at the sensor system.

Restore factory settings.

USAGE RESET

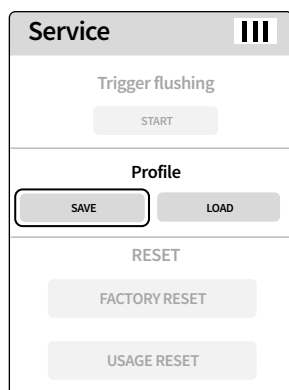
Reset use counters for actuations and thermal disinfection.

Total counters for actuations and thermal disinfections are not modified.



The status indicator shows whether the data transfer was successful.

SAVE PROFILE



SAVE

The configuration of a fitting type can be saved in a profile.

Save the configuration of the fitting.



The status indicator signals whether the configuration was successfully saved.

Load profile

CHARGER

Load saved profile.



The status indicator signals whether the configuration was successfully loaded.



The settings of the profile can be viewed and modified in the Configuration menu. The profile can be transferred to other fittings of the same fitting type.