

Product Information

Parameter adjustment for faucet and urinal/WC electronics



A.u.K. Müller

Solenoid valves
Control valves
Special valves and systems

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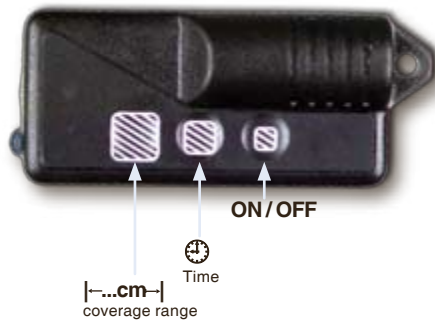
for faucet



for urinal



externale sensor



Characteristics

- dimensions for remote control 60 x 30 x 15 mm
- supply voltage 6 V - DC
- coverage range approx. 200 mm
- replacement alkaline battery E11A – 6V - Energizer



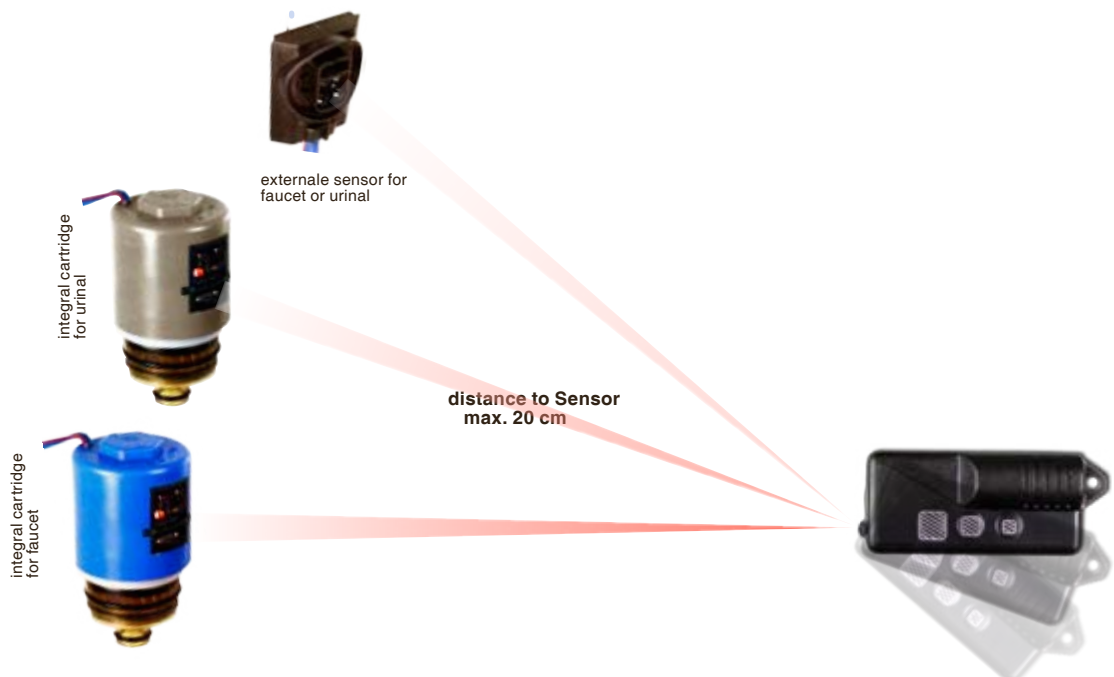
- faucet: coverage range, delay, ON/OFF
- urinal/WC: coverage range, flushing time, ON/OFF
- shower: mode switch between body- (BDM) and hand detection mode (HDM), On-OFF shower BDM: coverage range, delay shower HDM: coverage range, time of flow

Applications

- parameter adjustment for integral cartridge valve and external sensor (faucet/urinal)
- ON/OFF application of the sensor (for maintenance or cleaning process)

Description

Optional remote control to adjust the parameters of the IR-sensors.





Parameter adjustment for faucet and urinal / WC electronics

The default settings are effectual for a multiplicity of applications, but can be modified by a remote control if required, which is optional available.

- the IR remote control is applicable for integral cartridge of faucet, urinal and the external sensor
- the remote control has to be kept in a distance of approx. 20 cm in front of the IR receptor.
- 3 buttons are located on the remote control to modify for example the coverage range, rinsing time (urinal) respect. The switch-off delay (faucet) and the switch-off function of the sensor.

[...cm-] – Coverage range adjustment *)

Push the button for the coverage range (see picture), starting with the active adjusted level the coverage range increases step by step while flashing of the red signal-LED on the sensor confirms the signal,

By releasing the button the new adjusted coverage is fixed.

Manual adjustment of the coverage range **)

30 steps

1. step = minimum... - 30. Step = maximum coverage range

Automatic adjustment of coverage range

31. step

The automatic adjustment starts after the 10th flashing of the LED..

No object should be within the coverage range of the sensor during the automatic adjustment process.

⌚ – Time – switch-off delay of the valve

Push the button for time (see picture), starting with the current adjusted position the time increases gradually, Releasing the button fixes the new adjusted time.

1. step = minimum, 31. step = maximum

OFF / ON – button for on/off switching of the sensor

The button is used to switch-off the sensor (e.g. for cleaning).

This status is indicated by flashing of the LED for ten times.

To restart please press the button again.

The reactivation of the sensor is again shown by flashing for ten times.

Afterwards the valve will open once with the current adjusted time.

*) Especially the coverage range specifications are only suitable for orientation. According to the position of the sensor in the armature, the coverage range can differ due to the variously ambient light conditions and the usage of different IR-windows. The typical adjustment ranges are indicated for times and coverages.

**) Urinal step 1 - 30:

Continuous detection may lead to non function

Faucet step 1 - 30:

Automatic adjustment to the water jet of the armature after each adjusted step.

Step(s)	LED-signal (red)		faucet		urinal/WC									
			typical range of switch-off delay / s	typical coverage range / cm	typical range flushing time / s	Typical coverage range / cm								
1	single flashing per step	○	1,0	3,0	0,5	12,0								
2		○												
3		○												
4		○												
5		○												
6		○												
7		○												
8		○												
9		○												
10		○												
11	double flashing per step	○○					1,0	3,0	0,5	12,0				
12		○○												
13		○○												
14		○○												
15		○○												
16		○○												
17		○○												
18		○○												
19		○○												
20		○○												
21	triple flashing per step	○○○									1,0	3,0	0,5	12,0
22		○○○												
23		○○○												
24		○○○												
25		○○○												
26		○○○												
27		○○○												
28		○○○												
29		○○○												
30		○○○												
31	tenfold flashing	○○○○○... ...○○○○○	8,5	automatical coverage adjustment	15,5	automatical coverage adjustment								



The default settings are effectual for a multiplicity of applications, but can be modified by a remote control if required, which is optional available.

- the IR remote control is applicable for integral cartridge of faucet, urinal and the external sensor
- the remote control has to be kept in a distance of approx. 20 cm in front of the IR receptor.
- 3 buttons are located on the remote control to modify the coverage range, time of flow and the switch-off function of the sensor.

Additionally it can be switched between the default setting body detection mode (BDM) and hand detection mode (HDM).

[-...cm-] – Coverage range adjustment ^{*}

Push the button for the coverage range (see picture), starting with the active adjusted level the coverage range increases step by step while flashing of the red signal-LED on the sensor confirms the signal,

By releasing the button the new adjusted coverage is fixed.

Manual adjustment of the coverage range ^{**)}
30 steps

- step = minimum coverage range -
30. Step = maximum coverage range (Step 31 is not available)

[Time] – Time – switch-off delay (BDM) / time of flow (HDM) of the valve

Push the button for time setting (see picture). Starting with the current adjusted position the time increases gradually, flashing of the sensors signal-LED confirms the signal. Releasing the button fixes the new adjusted time.

- step = minimum,
31. step = maximum (10 x LED flashing)

OFF / ON – button for on/off switching of the sensor

The button OFF / ON is used to switch-off the sensor (e.g. for cleaning).

This status is indicated by flashing of the LED for ten times.

To restart please press the button again.

The reactivation of the sensor is again shown by flashing for ten times.

Afterwards the valve will open once with the current adjusted time.

Hand detection mode –

If the sensor will be deactivated (OFF) and reactivated (ON) within five seconds, it additionally will be set to the hand detection mode (HDM). The default coverage range is set to 8 cm. The coverage range can be adjusted in four steps to 4, 8, 12 or 16 cm. If the sensor is deactivated (OFF) and reactivated (ON) again within five seconds, it will be switched back to body detection mode (BDM).

Step(s)	LED-signal (red)	body detection mode (BDM)			hand detection mode (HDM)	
		typical range of switch-off delay / s	typical coverage range / cm	typical range time of flow / s	typical coverage range / cm	
1		0,5	12	10		4
2						
3						
4						
5						
6						
7						
8						
9						
10						
11		8	80	310		8
12						
13						
14						
15						
16						
17						
18						
19						
20						
21		8	80	310		12
22						
23						
24						
25						
26						
27						
28						
29						
30						
31		8	X	310		16

^{*}) Especially the coverage range specifications are only suitable for orientation. According to the position of the sensor in the armature, the coverage range can differ due to the variously ambient light conditions and the usage of different IR-windows. The typical adjustment ranges are indicated for times and coverages.

^{**)} Urinal step 1 - 30:
Continuous detection may lead to non function

Faucet step 1 - 30:
Automatic adjustment to the water jet of the armature after each adjusted step.