

# GEBERIT SIGMA10 ACTUATORS

## For Sigma Concealed Tanks, 2x6 and 2x4 Installations

### SPECIFICATIONS

Actuators for concealed tank and carrier system. Actuator flush plates and push buttons shall be molded plastic, zinc die-cast, molded plastic or fabricated stainless steel and plated to guard against scratches. All components shall be compliant with applicable codes and product standards.

### FEATURES

- Actuators designed to maintain appearance push after push
- Moving parts are accessible behind actuator flush plate

- Made of molded plastic, zinc die cast or stainless steel and plated
- Available in a variety of unique combinations of finish/color
- Includes mounting frame and hardware

### WARRANTY

- One-year limited warranty on manual flush plates
- Brushed Stainless Steel flush plate finish: 5 years (residential); One year: public
- Electronic components: 2 years from installation

### Single-Flush Actuators, Sigma 2x6 and 2x4 Installation

Style	Material	Finish	Model No.
Sigma10 <sup>†</sup>	Stainless	Matte Black-Polished	115.758.14.5
		Chrome-Matte Black*	
		Matte White-Polished	115.758.JT.5
		Chrome-Matte White*	
	Plastic	Brushed Stainless Steel-Polished	115.758.SN.5
		Stainless Steel-Brushed Stainless Steel*	
		Brushed Stainless Steel-Polished	115.787.SN.5
		Stainless Steel-Brushed	
		Stainless Steel* Vandal Resistant	
		Polished Chrome-Matte Chrome-Polished Chrome*	115.758.KH.5
White-Polished Chrome-White*	115.758.KJ.5		
White-Polished Gold-White*	115.758.KK.5		
Black-Polished Chrome-Black*	115.758.KM.5		
Matte Chrome-Polished	115.758.JQ.5		
Chrome-Matte Chrome*			



### Dual-Flush Hands-Free Actuators and Transformer, Sigma 2x6 Installation

Style	Material	Finish	Model No.
Sigma10	Stainless	Brushed Stainless Steel-Polished	115.890.SN.5
		Stainless Steel-Brushed Stainless Steel* Vandal Resistant (AC Power with manual override)	
		Brushed Stainless Steel-Polished	115.891.SN.5
		Stainless Steel-Brushed Stainless Steel* Vandal Resistant (Battery/DC Power with manual override)	
Sigma 10	Plastic	Polished Chrome-Matte Chrome* (AC Power)	115.907.KH.1
		White-Polished Chrome* (AC Power)	115.907.KJ.1
		White-Polished Gold* (AC Power)	115.907.KK.1
		White-Matte Chrome* (AC Power)	115.907.KL.1
		Black-Polished Chrome* (AC Power)	115.907.KM.1
		Matte Chrome-Polished Chrome* (AC Power)	115.907.KN.1
	Stainless	Brushed Stainless Steel-Polished	115.907.SN.1
		Stainless Steel* (AC Power)	
		Required Transformer for AC powered hands-free actuator (order separately)	115.861.00.1
		Plastic	Polished Chrome-Matte Chrome* (Battery)
Plastic	White-Polished Chrome* (Battery)	115.908.KJ.1	
	White-Polished Gold* (Battery)	115.908.KK.1	
	White-Matte Chrome* (Battery)	115.908.KL.1	
	Black-Polished Chrome* (Battery)	115.908.KM.1	
	Matte Chrome-Polished Chrome* (Battery)	115.908.KN.1	
	Stainless	Brushed Stainless Steel-Polished	115.908.SN.1
Stainless Steel* (Battery)			

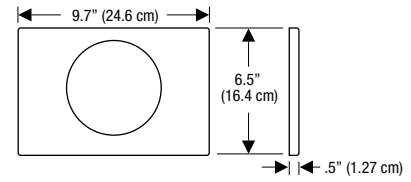


\* Finishes follow this pattern = Plate-Ring-Button

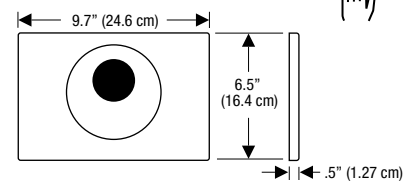
<sup>†</sup> Intended for sales and use in California with 1.28 gpf (4.8 lpf) system only

### DIMENSIONS

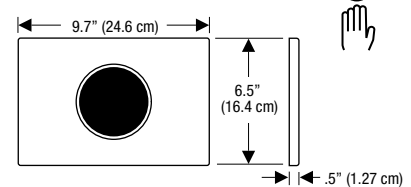
#### Sigma10 Single-Flush



#### Sigma10 Hands-Free, Dual-Flush with Manual Override



#### Sigma10 Hands-Free Dual-Flush



Products marked with comply with the American Disabilities Act (ADA) when installed per the requirements of the latest ADA Accessibility Guidelines (ADAAG) and/or ICC/ANSI A117.1.



### ARCHITECT/ENGINEER APPROVAL

Job Name: \_\_\_\_\_

Date: \_\_\_\_\_ Quantity: \_\_\_\_\_

Model Specified: \_\_\_\_\_

Variations Specified: \_\_\_\_\_

Customer/Wholesaler: \_\_\_\_\_





Contractor: \_\_\_\_\_

Architect: \_\_\_\_\_


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## For Sigma Concealed Tanks, 2x6 and 2x4 Installations

### Dual-Flush Hands-Free Actuators and Transformer, Sigma 2x4 Installation

	Stainless	Brushed Stainless Steel-Polished Stainless Steel-Brushed Stainless Steel* Vandal Resistant (AC Power with manual override)	115.856.SN.1	
		Brushed Stainless Steel-Polished Stainless Steel-Brushed Stainless Steel* Vandal Resistant (AC Power with manual override)	CR115-6SN1	
		Required Transformer for AC powered hands-free actuator (order separately)	115.861.00.1	
	Plastic <i>NEW!</i>	Polished Chrome-Matte Chrome* (AC Power)	CR115-7KH1	
		White-Polished Chrome* (AC Power)	CR115-7KJ1	
		White-Polished Gold* (AC Power)	CR115-7KK1	
		White-Matte Chrome* (AC Power)	CR115-7KL1	
		Black-Polished Chrome* (AC Power)	CR115-7KM1	
		Matte Chrome-Polished Chrome* (AC Power)	CR115-7KN1	
	Stainless	Brushed Stainless Steel-Polished Stainless Steel* (AC Power)	CR115-7SN1	
			Required Transformer for AC powered hands-free actuator (order separately)	115.861.00.1
	Plastic <i>NEW!</i>	Polished Chrome-Matte Chrome* (Battery)	CR115-8KH1	
		White-Polished Chrome* (Battery)	CR115-8KJ1	
White-Polished Gold* (Battery)		CR115-8KK1		
White-Matte Chrome* (Battery)		CR115-8KL1		
Black-Polished Chrome* (Battery)		CR115-8KM1		
Matte Chrome-Polished Chrome* (Battery)		CR115-8KN1		
Stainless	Brushed Stainless Steel-Polished Stainless Steel* (Battery)	CR115-8SN1		

### Remote Programming Accessory for Hands-Free Actuators

	"Service Handy" remote programming device for Geberit touch-free devices	115.860.00.1
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\* Finishes follow this  
pattern = Plate-Ring-Button

† Intended for sales and use in  
California with 1.28 gpf (4.8 lpf)  
system only

# GEBERIT SIGMA10 ACTUATORS

## For Sigma Concealed Tanks, 2x6 and 2x4 Installations

### HANDS-FREE APPLICATION

- For automatic, "hands free" sensing and flush actuation, in hygienic or ADA compliant applications
- For public or residential spaces
- For low consumption toilets. Dual-flush volumes of 1.6 GPF (6 LPF) and 0.8 GPF (3 LPF) or 1.28 GPF (4.8 LPF) and 0.8 GPF (3 LPF)

### HANDS-FREE SPECIFICATIONS

- Stainless steel – Brushed stainless steel
- Detection distance: up to 24 in (60 cm)
- Automatic hygiene flush: 24 h after last flush cycle
- Battery type Alkaline 1.5 V (LR20, "D" cell)\*
- Operating voltage: 3 V DC
- For mains power, current draw is less than 1.5 amps. Recommended minimum wire size AWG 20 or as required by local code.
- User detection time: 7 s
- Manual actuation force < 4.5 lbf (20 N)

### HANDS-FREE SCOPE OF SUPPLY

- Cover plate with infrared window (replaceable)
- Infrared control, premounted on fixation frame
- Servo motor, premounted to lifter mechanism
- Fastening material
- Battery box and 2x, "D" alkaline batteries\*
- 120 V 60 Hz or 230 V 50 Hz transformer not included. Recommend accessory 115.861.00.1.\*\*

### HANDS-FREE FEATURES

- Proven infrared triangulation detection method with background fade-out and auto-calibration to environment
- Low noise servo motor actuates existing gravity flush valve. Motor auto-calibrates to adjust for installation tolerances
- Includes manual override button
- Low battery" warning (2-stage: flashing LED when battery starts to go low; continuous red light when cannot flush)\*
- Dynamic flushing time reduction during periods of high traffic to reduce water consumption
- Vandal resistant stainless steel cover plate and independent sensor electronics to prevent tampering
- Pre-installed electrical connectors with cross-polarity protection (one-way connection)
- Battery change can be performed without turning off water\*

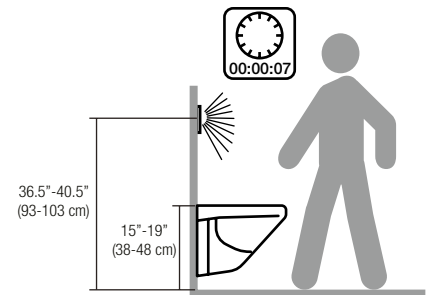
### FUNCTIONAL PRINCIPLE

Several IR sensors are located behind the actuator plate of the WC flush control. These sensors scan different detection ranges.

The user detection range (1) measures whether a user is sitting or standing in front of the WC flush control. If a sitting user is detected, manual flush actuation is deactivated. This prevents a flush from being inadvertently released if the user leans back during use.

If the user's hand crosses the boundary of the manual flush detection range (2), the WC flush control releases a partial or full flush. If the user's hand is held briefly in the detection range, the WC flush control releases a full flush. If the user's hand is held for an extended time in the detection range, the WC flush control releases a partial flush.

The proximity detection range (3) is active only in battery operation and is used for the purpose of energy saving. The user detection range is activated as soon as there is a change in this area.



Installing highly reflective surfaces (such as mirrors) in the immediate vicinity of the water closet flush control should be avoided, as these can lead to incorrect releases and malfunctions.

Geberit product is ADA compliant when fixture and actuator are installed at proper heights.

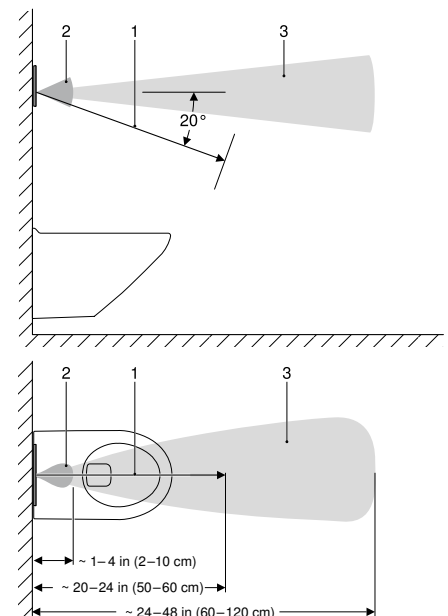


Figure 1: Detection ranges

- 1 User detection range
- 2 Manual flush detection range
- 3 Proximity detection range

NOTE: Partitions and walls must be installed so that they do not obstruct the detection zone. Compartment doors must not open into or interfere with the detection zone.

\* Battery version only.  
\*\* AC version only.

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