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Flush-Mounting Product Ranges

For further technical information please refer to the GAMMA building management systems manual or visit our Web site at:

http://www.siemens.de/gamma

Flush-Mounting Product Ranges

DELTA profil

Selection and ordering data

	Dimensions H × W × D mm	Color	Order No.	Price 1 item	PG	Weight 1 item kg	PS*/ P. unit Items
Pushbuttons							
	The UP 110 and UP 114 bus coupling unit and the corresponding cut-out frame must be ordered separately.						
	Pictographs can be inserted in the labeling field.						
	65 × 65 × 14						
	single There is one red LED to serve as an orientation light and one for status indication.						
	UP 241, neutral	pearl gray	**5WG1 241-2AB01**		030	0.036	1
		titanium white	**5WG1 241-2AB11**		030	0.036	1
		anthracite	**5WG1 241-2AB21**		030	0.036	1
		silver	**5WG1 241-2AB71**		030	0.036	1
	UP 242, with I/O symbols	pearl gray	**5WG1 242-2AB01**		030	0.036	1
		titanium white	**5WG1 242-2AB11**		030	0.036	1
		anthracite	**5WG1 242-2AB21**		030	0.036	1
		silver	**5WG1 242-2AB71**		030	0.036	1
	double There is one red LED to serve as an orientation light and two for status indication.						
	UP 243, neutral	pearl gray	**5WG1 243-2AB01**		030	0.036	1
		titanium white	**5WG1 243-2AB11**		030	0.036	1
		anthracite	**5WG1 243-2AB21**		030	0.036	1
		silver	**5WG1 243-2AB71**		030	0.036	1
	UP 244, with I/O symbols	pearl gray	**5WG1 244-2AB01**		030	0.036	1
		titanium white	**5WG1 244-2AB11**		030	0.036	1
		anthracite	**5WG1 244-2AB21**		030	0.036	1
		silver	**5WG1 244-2AB71**		030	0.036	1
	quadruple There is one red LED to serve as an orientation light and four for status indication.						
	UP 245, neutral	pearl gray	**5WG1 245-2AB01**		030	0.036	1
		titanium white	**5WG1 245-2AB11**		030	0.036	1
		anthracite	**5WG1 245-2AB21**		030	0.036	1
		silver	**5WG1 245-2AB71**		030	0.036	1
	UP 246, with I/O symbols	pearl gray	**5WG1 246-2AB01**		030	0.036	1
		titanium white	**5WG1 246-2AB11**		030	0.036	1
		anthracite	**5WG1 246-2AB21**		030	0.036	1
		silver	**5WG1 246-2AB71**		030	0.036	1

* You can order this quantity or a multiple thereof.

DELTA profil

	Dimensions H × W × D	Color	Order No.	Price	PG	Weight 1 item	PS*/ P. unit
	mm			1 item		kg	Items

Pushbuttons with IR receiver

The UP 114 bus coupling unit and the corresponding cut-out frame must be ordered separately.

Pictographs can be inserted in the labeling field.

1, 2 or 4 local pushbutton pairs are available. Up to 14 of 64 infrared channels with infrared wall or hand-held transmitters can be implemented and decoded in the UP 114.

65 × 65 × 14

single

There is one red LED to serve as an orientation light and for status indication.

UP 233 + IR, neutral

	Dimensions H × W × D	Color	Order No.	Price	PG	Weight 1 item	PS*/ P. unit
		pearl gray	**5WG1 233-2AB01**		030	0.038	1
		titanium white	**5WG1 233-2AB11**		030	0.038	1
		anthracite	**5WG1 233-2AB21**		030	0.038	1
		silver	**5WG1 233-2AB71**		030	0.038	1

double

There are two red LEDs to serve as an orientation light and for status indication.

UP 234 + IR, neutral

	Color	Order No.	PG	Weight 1 item	PS*/ P. unit
	pearl gray	**5WG1 234-2AB01**	030	0.038	1
	titanium white	**5WG1 234-2AB11**	030	0.038	1
	anthracite	**5WG1 234-2AB21**	030	0.038	1
	silver	**5WG1 234-2AB71**	030	0.038	1

quadruple

There are four red LEDs to serve as an orientation light and for status indication.

UP 235 + IR, neutral

	Color	Order No.	PG	Weight 1 item	PS*/ P. unit
	pearl gray	**5WG1 235-2AB01**	030	0.038	1
	titanium white	**5WG1 235-2AB11**	030	0.038	1
	anthracite	**5WG1 235-2AB21**	030	0.038	1
	silver	**5WG1 235-2AB71**	030	0.038	1

Multifunctional pushbuttons

UP 230/2 with motion detector

The UP 110/114 bus coupling unit, its corresponding cut-out frame and the pictographs for the two outer pushbutton rockers must be ordered separately.

The operator panels consist of four pushbutton rockers with intermediate position. A red LED is located behind each of the rocker windows for the two outside and the two center pushbutton rockers respectively. A motion detector with two motion sensors and one brightness sensor is fitted beneath the pushbutton rockers.

65 × 65 × 17

	Color	Order No.	PG	Weight 1 item	PS*/ P. unit
	pearl gray	**5WG1 230-2AB02**	030	0.036	1
	titanium white	**5WG1 230-2AB12**	030	0.036	1
	anthracite	**5WG1 230-2AB22**	030	0.036	1
	silver	**5WG1 230-2AB72**	030	0.036	1

* You can order this quantity or a multiple thereof.

	Dimensions H × W × D	Color	Order No.	Price	PG	Weight 1 item	PS*/ P. unit
	mm			1 item		kg	Items

Multifunctional pushbuttons (Continued)

	The UP 114 bus coupling unit and the corresponding cut-out frame must be ordered separately.						

UP 231/2 with room temperature controller (discontinued model)

This device features the functions of a double bus pushbutton and an adaptive room temperature controller.
The adaptive control saves time when putting the controller into operation and prevents regulation problems due to incorrectly set controller parameters (P, I values). The integrated sequential control guarantees optimum regulation when floor heating and radiator heating are combined in one room. The room temperature can be measured using the internal sensor or an external sensor, or by a combination of both.

65 × 65 × 15

This device features the functions of a double bus pushbutton and a room temperature controller.
The room temperature can be measured using the internal sensor or an external sensor, or by a combination of both.

		Color	Order No.	Price	PG	Weight	PS
		titanium white	5WG1 231-2AB12		030	0.036	1
		anthracite	5WG1 231-2AB22		030	0.036	1

UP 231/3 with adaptive room temperature controller

This device features the functions of a double bus pushbutton and an adaptive room temperature controller.

It is operated by means of four pushbutton rockers with intermediate position. A red LED is located behind each of the rocker windows for the two outside and the two center pushbutton rockers respectively. The two outer pushbutton rockers are used for setpoint displacement and for switching between convenience and standby operation; the desired function can be assigned to the two central rockers through ETS. Below the pushbutton rockers there is a temperature detector as well as LEDs to display setpoint displacements and the operating modes frost protection and nighttime reduction. The temperature controller can be configured as a two-position controller or as a continuous, self-adapting controller for heating operation only, cooling operation only or combined heating/cooling operation. The adaptive control saves time when putting the controller into operation and prevents regulation problems due to incorrectly set controller parameters (P, I values). The integrated sequential control guarantees optimum regulation when floor heating and radiator heating are combined in one room. The room temperature can be measured using the internal sensor or an external sensor, or by a combination of both.

		Color	Order No.	Price	PG	Weight	PS
65 × 65 × 15		pearl gray	5WG1 231-2AB03		030	0.036	1
		titanium white	5WG1 231-2AB13		030	0.036	1
		anthracite	5WG1 231-2AB23		030	0.036	1
		silver	5WG1 231-2AB73		030	0.036	1

Pictographs for UP 230/2 pushbuttons
(1 set = 10 items per type)

		Order No.	Price	PG	Weight	PS
						1 set
	Dimmer	5WG1 293-8AB00		030	0.006	1 set
	Switch	5WG1 293-8AB01		030	0.006	1 set
	Shutters/blinds	5WG1 293-8AB02		030	0.006	1 set
	Presence/convenience	5WG1 293-8AB03		030	0.006	1 set
	Absence/standby	5WG1 293-8AB04		030	0.006	1 set
	Nighttime reduction	5WG1 293-8AB05		030	0.006	1 set
	Frost protection	5WG1 293-8AB06		030	0.006	1 set
	Heat protection	5WG1 293-8AB07		030	0.006	1 set
	Dew point	5WG1 293-8AB08		030	0.006	1 set
	Storm warning	5WG1 293-8AB10		030	0.006	1 set

* You can order this quantity or a multiple thereof.

Dimensions H × W × D		Color	Order No.	Price	PG	Weight 1 item	PS*/ P. unit
mm				1 item		kg	Items

Physical sensors

The UP 110 and UP 114 bus coupling unit and the corresponding cut-out frame must be ordered separately.

UP 255 motion detectors

Proximity switches for detecting persons.
The integrated passive infrared motion sensor (PIR) reacts to temperature change in its monitoring range. It can be used as a stand-alone device or for main and secondary operation.

Horizontal sensing angle:		180° in two levels, can be reduced up to 90° left or right using detachable blanking cover					
Range:		front for assembly height 1.10 m: approx. 10 m 2.20 m: approx. 10 m lateral: approx. 6 m in both directions potentiometer for infinite adjustment between 100 % and 20 %					
Light sensor:		adjustable in steps from approx. 1 to 1000 lux (night to day operation)					

65 × 65 × 23

Assembly height:							
1.10 m		pearl gray		5WG1 255-2AB01		030	0.062	1
		titanium white	ⓤ	5WG1 255-2AB11		030	0.062	1
		anthracite		5WG1 255-2AB21		030	0.062	1
		silver		5WG1 255-2AB71		030	0.062	1
2.20 m		pearl gray		5WG1 255-2AB02		030	0.062	1
		titanium white	ⓤ	5WG1 255-2AB12		030	0.062	1
		anthracite		5WG1 255-2AB22		030	0.062	1
		silver		5WG1 255-2AB72		030	0.062	1

UP 252 room temperature controllers

The room temperature controller can be configured as a two-position controller (thermostat) or as a continuous controller (P or PI controller) for heating operation only and for combined heating/cooling operation. Suitable application programs are used to send either switching commands to electrothermal actuators (two-position control) or positioning commands to electromotive actuators (continuous control). The clearly arranged and self-explanatory operator interface includes 5 LEDs for indicating the current operating status (convenience, standby, night operation, frost/heat protection and dew point alarm), a presence push-button for switching from convenience to standby mode and vice versa, and a rotary button for shifting the basic setpoint.

65 × 65 × 16	pearl gray	5WG1 252-2AB03	030	0.038	1
	titanium white	5WG1 252-2AB13	030	0.038	1
	anthracite	5WG1 252-2AB23	030	0.038	1
	silver	5WG1 252-2AB73	030	0.065	1

UP 272 water sensors

Scope of delivery: water sensor with 2 m cable

65 × 65 × 42	pearl gray	5WG1 272-2AB01	030	0.090	1
	titanium white	5WG1 272-2AB11	030	0.090	1
	anthracite	5WG1 272-2AB21	030	0.090	1
	silver	5WG1 272-2AB71	030	0.090	1

* You can order this quantity or a multiple thereof.

Flush-Mounting Product Ranges

DELTA profil

	Dimensions H × W × D	Color	Order No.	Price	PG	Weight 1 item	PS*/ P. unit
	mm			1 item		kg	Items

Display/operator control units

UP 585

The respective cut-out frame must be ordered separately.

Graphic LCD with integrated bus coupling unit for displaying up to 16 user programmable messages. Each message can be presented on up to 3 lines.
Depending on the font used, up to 5 lines are visible in the LCD. Four keys are available to select the messages, trigger switching commands or change temperature setpoints or brightness values in %.

LCD resolution:	132 × 65 pixel	
Fonts:	can be selected or are user configurable	
Background lighting:	continuously "ON" or continuously "OFF" using pushbuttons with adjustable delay time, by means of bus telegram or alarm function	
Alarm functions:	optical and/or acoustic with acknowledgment option	

Dimensions	Color	Order No.	PG	Weight	PS
65 × 65 × 20	pearl gray	5WG1 585-2AB01	030	0.113	1
	titanium white	5WG1 585-2AB11	030	0.113	1
	anthracite	5WG1 585-2AB21	030	0.113	1
	silver	5WG1 585-2AB71	030	0.113	1

Function modules for switchable (SCHUKO) outlets

UP 563

10 A switch actuator with integrated bus coupling unit for plugging on (SCHUKO) outlet inserts from the Siemens DELTA flush-mounting product ranges. The supplied distance frame enables the switchable (SCHUKO) outlet to be installed in equipment connecting sockets with a depth of 60 mm.
No distance frame is needed if these equipment connecting sockets for flush mounting are used in conjunction with corresponding 24 mm leveling rings. The selected (SCHUKO) outlet and the corresponding frame have to be ordered separately.

Dimensions	Color	Order No.	PG	Weight	PS
46 × 46 × 30	pearl gray	5WG1 563-2AB01	030	0.051	1
	titanium white	5WG1 563-2AB11	030	0.051	1
	anthracite	5WG1 563-2AB21	030	0.051	1
	silver	5WG1 563-2AB71	030	0.051	1

Interfaces

The UP 110 and UP 114 bus coupling unit and the corresponding cut-out frame must be ordered separately.

UP 146, RS 232

The interface supports connection of a PC for addressing, parameterization, visualization, logging and diagnostics of the bus devices.

Transfer rate: 9600 baud.

Dimensions	Color	Order No.	PG	Weight	PS
65 × 65 × 42	pearl gray	5WG1 146-2AB01	030	0.088	1
	titanium white	5WG1 146-2AB11	030	0.088	1
	anthracite	5WG1 146-2AB21	030	0.088	1
	silver	5WG1 146-2AB71	030	0.088	1

UP 146E, USB 🔴 NEW

The USB interface enables connection of a PC to the KNX *EIB* over the integrated USB socket (type B) for the addressing, parameterization, visualization, protocolling and diagnostics of the bus device. The linking process may be carried out according to the standard or the FT1.2 protocol.
Transfer rate: 9600 baud (19200 baud at FT1.2)

Dimensions	Color	Order No.	PG	Weight	PS
65 × 65 × 42	pearl gray	5WG1 146-2EB01	030	0.088	1
	titanium white	5WG1 146-2EB11	030	0.088	1
	anthracite	5WG1 146-2EB21	030	0.088	1
	silver	5WG1 146-2EB71	030	0.088	1

* You can order this quantity or a multiple thereof.

DELTA profil

	Dimensions H × W × D	Color	Order No.	Price	PG	Weight 1 item	PS*/ P. unit
	mm			1 item		kg	Items

Accessories

Stand-alone and combination frames

Frames, cut-out

80 mm

Note:
Only one segment is cut out on the double and triple frame!
Exception:
With the frames labeled ** both segments are cut out!

	Dimensions	Color	Order No.		PG	Weight	PS
single	80 × 80	pearl gray	**5TG1 861**		021	0.014	1/10
		titanium white	**5TG1 801**		021	0.014	1/10
		anthracite	**5TG1 831**		021	0.014	1/10
		silver	**5TG1 761**		021	0.014	1/10
double **	151 × 80 **	pearl gray	**5TG1 862**		021	0.024	1/10
		titanium white	**5TG1 802**		021	0.024	1/10
		anthracite	**5TG1 832**		021	0.024	1/10
double	151 × 80	pearl gray	**5TG1 863**		021	0.024	1/10
		titanium white	**5TG1 803**		021	0.024	1/10
		anthracite	**5TG1 833**		021	0.024	1/10
		silver	**5TG1 763**		021	0.024	1/10
triple	222 × 80	pearl gray	**5TG1 864**		021	0.033	1/10
		titanium white	**5TG1 804**		021	0.033	1/10
		anthracite	**5TG1 834**		021	0.033	1/10
		silver	**5TG1 764**		021	0.033	1/10

DELTA profil

Design frame for NEMA

			Order No.		PG	Weight	PS
Wall box			ⓤ **5WG1 240-8CB11**		030	0.025	10

Surface-mounting casing

	Dimensions	Color	Order No.		PG	Weight	PS
single	80 × 80 × 42.5	titanium white	**5TG1 825**		021	0.048	1/5
double	125 × 80 × 42.5	titanium white	**5TG1 826**		021	0.078	1/5

* You can order this quantity or a multiple thereof.

Flush-Mounting Product Ranges

DELTA style

Selection and ordering data

	Dimensions H × W × D mm	Color	Order No.	Price 1 item	PG	Weight 1 item kg	PS*/ P. unit Items
Pushbuttons							
	The UP 110 and UP 114 bus coupling unit and the corresponding frame must be ordered separately.						
	Pictographs can be inserted in the labeling field.						
	68 x 68 x 14						
	single There is one red LED to serve as an orientation light and one for status indication.						
	UP 285, neutral	titanium white basalt black	**5WG1 285-2AB11** **5WG1 285-2AB21**		030 030	0.036 0.036	1 1
		titanium white/ metallic silver basalt black/ metallic silver	**5WG1 285-2AB81** **5WG1 285-2AB01**		030 030	0.036 0.036	1 1
	double There is one red LED to serve as an orientation light and two for status indication.						
	UP 286, neutral	titanium white basalt black	**5WG1 286-2AB11** **5WG1 286-2AB21**		030 030	0.036 0.036	1 1
		titanium white/ metallic silver basalt black/ metallic silver	**5WG1 286-2AB81** **5WG1 286-2AB01**		030 030	0.036 0.036	1 1
	quadruple There is one red LED to serve as an orientation light and four for status indication.						
	UP 287, neutral	titanium white basalt black	**5WG1 287-2AB11** **5WG1 287-2AB21**		030 030	0.036 0.036	1 1
		titanium white/ metallic silver basalt black/ metallic silver	**5WG1 287-2AB81** **5WG1 287-2AB01**		030 030	0.036 0.036	1 1
Pushbuttons with IR receiver							
	The UP 114 bus coupling unit and the corresponding frame must be ordered separately.						
	Pictographs can be inserted in the labeling field.						
	1, 2 or 4 local pushbutton pairs are available. Up to 14 of 64 infrared channels with infrared wall transmitters or hand-held transmitters can be implemented and decoded in the UP 114.						
	68 x 68 x 14						
	single There is one red LED to serve as an orientation light and one for status indication.						
	UP 285 + IR, neutral	titanium white basalt black	**5WG1 285-2EB11** **5WG1 285-2EB21**		030 030	0.038 0.055	1 1
		titanium white/ metallic silver basalt black/ metallic silver	**5WG1 285-2EB81** **5WG1 285-2EB01**		030 030	0.038 0.038	1 1
	double There is one red LED to serve as an orientation light and two for status indication.						
	UP 286 + IR, neutral	titanium white basalt black	**5WG1 286-2EB11** **5WG1 286-2EB21**		030 030	0.038 0.036	1 1
		titanium white/ metallic silver basalt black/ metallic silver	**5WG1 286-2EB81** **5WG1 286-2EB01**		030 030	0.038 0.038	1 1
	quadruple There is one red LED to serve as an orientation light and four for status indication.						
	UP 287 + IR, neutral	titanium white basalt black	**5WG1 287-2EB11** **5WG1 287-2EB21**		030 030	0.038 0.036	1 1
		titanium white/ metallic silver basalt black/ metallic silver	**5WG1 287-2EB81** **5WG1 287-2EB01**		030 030	0.038 0.038	1 1

* You can order this quantity or a multiple thereof.

Dimensions H × W × D mm	Color	Order No.	Price 1 item	PG	Weight 1 item kg	PS*/ P. unit Items
Multifunctional pushbuttons						

UP 230 with motion detector

The UP 110/114 bus coupling unit, its corresponding cut-out frame, the coupling frame and the pictographs for the two outer pushbutton rockers must be ordered separately.

The operator panels consist of four pushbutton rockers with intermediate position. A red LED is located behind each of the rocker windows for the two outside and the two center pushbutton rockers respectively. A motion detector with two motion sensors and one brightness sensor is fitted beneath the pushbutton rockers.

65 × 65 × 17	titanium white	**5WG1 230-2EB11**		030	0.036	1
	basalt black	**5WG1 230-2EB21**		030	0.036	1

UP 231/3 with adaptive room temperature controller

The UP 114 bus coupling unit, the corresponding frame and the coupling frame must be ordered separately.

This device features the functions of a double bus pushbutton and an adaptive room temperature controller.

It is operated by means of four pushbutton rockers with intermediate position. A red LED is located behind each of the rocker windows for the two outside and the two center pushbutton rockers respectively. The two outer pushbutton rockers are used for setpoint displacement and for switching between convenience and standby operation; the desired function can be assigned to the two central rockers through ETS. Below the pushbutton rockers there is a temperature detector as well as LEDs to display setpoint displacements and the operating modes frost protection and nighttime reduction. The temperature controller can be configured as a two-position controller or as a continuous, self-adapting controller for heating operation only, cooling operation only or combined heating/cooling operation. The adaptive control saves time when putting the controller into operation and prevents regulation problems due to incorrectly set controller parameters (P, I values). The integrated sequential control guarantees optimum regulation when floor heating and radiator heating are combined in one room. The room temperature can be measured using the internal sensor or an external sensor, or by a combination of both.

65 × 65 × 15	titanium white	**5WG1 231-2EB13**		030	0.036	1
	basalt black	**5WG1 231-2EB23**		030	0.036	1

Pictographs for UP 230 pushbuttons
(1 set = 10 items per type)

					Weight	PS
					1 set	
Dimmer		**5WG1 293-8AB00**		030	0.006	1 set
Switch		**5WG1 293-8AB01**		030	0.006	1 set
Shutters/blinds		**5WG1 293-8AB02**		030	0.006	1 set
Presence/convenience		**5WG1 293-8AB03**		030	0.006	1 set
Absence/standby		**5WG1 293-8AB04**		030	0.006	1 set
Nighttime reduction		**5WG1 293-8AB05**		030	0.006	1 set
Frost protection		**5WG1 293-8AB06**		030	0.006	1 set
Heat protection		**5WG1 293-8AB07**		030	0.006	1 set
Dew point		**5WG1 293-8AB08**		030	0.006	1 set
Storm warning		**5WG1 293-8AB10**		030	0.006	1 set

* You can order this quantity or a multiple thereof.

Flush-Mounting Product Ranges

DELTA style

Dimensions H × W × D		Color	Order No.	Price	PG	Weight 1 item	PS*/ P. unit
mm				1 item		kg	Items

Physical sensors

The UP 110 or UP 114 bus coupling units the corresponding frame and, where applicable, the coupling frame must be ordered separately.

UP 255, UP 257 motion detectors

Proximity switches for detecting persons.
The integrated passive infrared motion sensor (PIR) reacts to temperature change in its monitoring range. It can be used as a stand-alone device or for main and secondary operation.

The necessary coupling frame must be ordered separately.

Horizontal sensing angle:	180° in two levels, can be reduced up to 90° left or right using detachable blanking cover
Range:	front, for assembly height 1.10 m: approx. 10 m 2.20 m: approx. 10 m laterally: approx. 6 m in both directions; potentiometer for infinitely variable adjustment of the sensing range between 100 % and 20 %.
Light sensor:	adjustable in steps from approx. 1 to 1000 lux (night to day operation)

65 × 65 × 23

Assembly height:

	Color	Order No.	PG	Weight	PS
1.10 m	titanium white	5WG1 255-2AB11	030	0.062	1
	basalt black	5WG1 257-2AB21	030	0.062	1
2.20 m	titanium white	5WG1 255-2AB12	030	0.062	1
	basalt black	5WG1 257-2AB22	030	0.062	1

UP 254 room temperature controllers

The room temperature controller can be configured as a two-position controller (thermostat) or as a continuous controller (P or PI controller) for heating operation only and for combined heating/cooling operation. Suitable application programs are used to send either switching commands to electrothermal actuators (two-position control) or positioning commands to electromotive actuators (continuous control). The clearly arranged and self-explanatory operator interface includes 5 LEDs for indicating the current operating status (convenience, standby, night operation, frost/heat protection and dew point alarm), a presence push-button for switching from convenience to standby mode and vice versa, and a rotary button for shifting the basic setpoint.

No coupling frame is required.

	Color	Order No.	PG	Weight	PS
68 × 68 × 16	titanium white/ metallic silver	5WG1 254-2AB13	030	0.068	1
	basalt black/ metallic silver	5WG1 254-2AB23	030	0.068	1

UP 272 water sensors

Scope of delivery: water sensor with 2 m cable

The necessary coupling frame must be ordered separately.

	Color	Order No.	PG	Weight	PS
65 × 65 × 42	titanium white	5WG1 272-2AB11	030	0.090	1

	Dimensions H × W × D	Color	Order No.	Price	PG	Weight 1 item	PS*/ P. unit
	mm			1 item		kg	Items

Display/operator control units

UP 585, UP 584

The corresponding frame and coupling frame must be ordered separately.

Graphic LCD with integrated bus coupling unit for displaying up to 16 user programmable messages. Each message can be presented on up to 3 lines.
Depending on the font used, up to 5 lines are visible in the LCD. Four keys are available to select the messages, trigger switching commands or change temperature setpoints or brightness values in %.

LCD resolution:	132×65 pixel						
Fonts and symbols:	can be selected or are user configurable						
Background lighting:	continuously "ON" or continuously "OFF" using pushbuttons with adjustable delay time, by means of bus telegram or alarm function						
Alarm functions:	optical and/or acoustic with acknowledgment option						
$65 \times 65 \times 20$		titanium white	**5WG1 585-2AB11**		030	0.113	1
		basalt black	**5WG1 584-2AB21**		030	0.113	1

Interfaces

The UP 110 or UP 114 bus coupling unit and the respective frame and coupling frame must be ordered separately.

UP 146, RS 232

The interface supports connection of a PC for addressing, parameterization, visualization, logging and diagnostics of the bus devices.

Transfer rate: 9600 baud.

$65 \times 65 \times 42$	titanium white	**5WG1 146-2AB11**		030	0.088	1

UP 146E, USB NEW

The USB interface enables connection of a PC to the KNX *EIB* over the integrated USB socket (type B) for the addressing, parameterization, visualization, protocolling and diagnostics of the bus device. The linking process may be carried out according to the standard or the FT1.2 protocol.
Transfer rate: 9600 baud (19200 baud at FT1.2)

$65 \times 65 \times 42$	titanium white	**5WG1 146-2EB11**		030	0.088	1

Accessories

Stand-alone and combination frames

Frames

82 mm

single	82×82	titanium white	**5TG1 321**		021	0.022	1/10
		basalt black	**5TG1 361**		021	0.021	1/10
double	153×82	titanium white	**5TG1 322**		021	0.034	1/10
		basalt black	**5TG1 362**		021	0.039	1/10
triple	224×82	titanium white	**5TG1 323**		021	0.049	1/10
		basalt black	**5TG1 363**		021	0.047	1/10
quadruple	295×82	titanium white	**5TG1 324**		021	0.062	1/10
		basalt black	**5TG1 364**		021	0.060	1/10
quintuple	366×82	titanium white	**5TG1 325**		021	0.088	1/5
		basalt black	**5TG1 365**		021	0.086	1/5

Coupling frames

single	Outside: 68 x 68	titanium white	**5TG1 328**		021	0.008	1/10
	Inside: 65 x 65	basalt black	**5TG1 368**		021	0.008	1/10

Surface-mounting housing NEW
Flame-retardent base plate

single	84 x 84 x 42.5	titanium white	**5TG2 901**		021	0.085	1/5
double	155 x 84 x 42.5	titanium white	**5TG2 902**		021	0.125	1/3
triple	226 x 84 x 42.5	titanium white	**5TG2 903**		021	0.190	1/2

* You can order this quantity or a multiple thereof.

Flush-Mounting Product Ranges

DELTA ambiente

Selection and ordering data

Dimensions H × W × D mm		Color	Order No.	Price 1 item	PG	Weight 1 item kg	PS*/ P. unit Items
Pushbuttons							
	quadruple The UP 110 and UP 114 bus coupling unit and the corresponding frame must be ordered separately. There is one red LED to serve as an orientation light and four for status indication. Pictographs can be inserted in the labeling fields (included in delivery). 65 × 65 × 14						
	UP 284	arctic white/arctic white	5WG1 284-2AB01		030	0.035	1
		arctic white/soft gray	5WG1 284-2AB02		030	0.035	1
		arctic white/steel	5WG1 284-2AB03		030	0.035	1
		cosmos gray/CORIAN	5WG1 284-2AB11		030	0.035	1
		royal blue/wood	5WG1 284-2AB21		030	0.062	1
Pushbuttons with IR receiver							
	quadruple The UP 114 bus coupling unit and the corresponding frame must be ordered separately. Four local pushbutton pairs are available. Up to 14 of 64 infrared channels with infrared wall or hand-held transmitters can be implemented and decoded in the UP 114. There is one red LED to serve as an orientation light and four for status indication. Pictographs can be inserted in the labeling fields (included in delivery). IR sensing range: approx. 25 m. 65 × 65 × 14						
	UP 284 + IR	arctic white/arctic white	5WG1 284-2EB01		030	0.084	1
		arctic white/soft gray	5WG1 284-2EB02		030	0.062	1
		arctic white/steel	5WG1 284-2EB03		030	0.084	1
		cosmos gray/CORIAN	5WG1 284-2EB11		030	0.074	1
		royal blue/wood	5WG1 284-2EB21		030	0.062	1
Physical sensors							
	UP 256 motion detectors The UP 110 and UP 114 bus coupling unit and the corresponding frame must be ordered separately. Proximity switches for detecting persons. The integrated passive infrared motion sensor (PIR) reacts to temperature change in its monitoring range. It can be used as a stand-alone device or for main and secondary operation.						
	Horizontal sensing angle:	180° in two levels, can be reduced up to 90° left or right using detachable blanking cover					
	Range:	front, for assembly height 1.10 m: approx. 10 m 2.20 m: approx. 10 m laterally: approx. 6 m in both directions; potentiometer for infinitely variable adjustment of the sensing range between 100 % and 20 %.					
	Light sensor:	adjustable in steps from approx. 1 to 1000 lux (night to day operation)					
	65 × 65 × 23 Assembly height:						
	1.10 m	arctic white	5WG1 256-2AB01		030	0.062	1
		cosmos gray	5WG1 256-2AB11		030	0.062	1
		royal blue	5WG1 256-2AB21		030	0.062	1
	2.20 m	arctic white	5WG1 256-2AB02		030	0.062	1
		cosmos gray	5WG1 256-2AB12		030	0.062	1
		royal blue	5WG1 256-2AB22		030	0.062	1

* You can order this quantity or a multiple thereof.

	Dimensions H × W × D	Color	Order No.	Price	PG	Weight 1 item	PS*/ P. unit
	mm			1 item		kg	Items

Physical sensors (Continued)

UP 253 room temperature controllers

The UP 110 and UP 114 bus coupling unit and the corresponding frame must be ordered separately.

The room temperature controller can be configured as a two-position controller (thermostat) or as a continuous controller (P or PI controller) for heating operation only and for combined heating/cooling operation. Suitable application programs are used to send either switching commands to electrothermal actuators (two-position control) or positioning commands to electromotive actuators (continuous control). The clearly arranged and self-explanatory operator interface includes 5 LEDs for indicating the current operating status (convenience, standby, night operation, frost/heat protection and dew point alarm), a presence push-button for switching from convenience to standby mode and vice versa, and a rotary button for shifting the basic setpoint.

	65 × 65 × 16	arctic white	**5WG1 253-2AB03**		030	0.065	1
		cosmos gray	**5WG1 253-2AB13**		030	0.038	1
		royal blue	**5WG1 253-2AB23**		030	0.038	1

Display/operator control units

UP 586

The respective frame must be ordered separately.

Graphic LCD with integrated bus coupling unit for displaying up to 16 user programmable messages. Each message can be presented on up to 3 lines.
Depending on the font used, up to 5 lines are visible in the LCD. Four keys are available to select the messages, trigger switching commands or change temperature setpoints or brightness values in %.

	LCD resolution:	132 × 65 pixel					
	Fonts:	can be selected or are user configurable					
	Background lighting:	continuously "ON" or continuously "OFF" using pushbuttons with adjustable delay time, by means of bus telegram or alarm function					
	Alarm functions:	optical and/or acoustic with acknowledgment option					
	65 × 65 × 20	arctic white	**5WG1 586-2AB01**		030	0.113	1

Interfaces

The UP 110 and UP 114 bus coupling unit and the corresponding frame must be ordered separately.

UP 142, RS 232

The interface supports connection of a PC for addressing, parameterization, visualization, logging and diagnostics of the bus devices. Transfer rate: 9600 baud.

	65 × 65 × 42	arctic white	**5WG1 142-2AB01**		030	0.088	1
		cosmos gray	**5WG1 142-2AB11**		030	0.088	1
		royal blue	**5WG1 142-2AB21**		030	0.088	1

UP 142E, USB NEW

The USB interface enables connection of a PC to the KNX *EIB* over the integrated USB socket (type B) for the addressing, parameterization, visualization, protocolling and diagnostics of the bus device. The linking process may be carried out according to the standard or the FT1.2 protocol.

Transfer rate: 9600 baud (19200 baud at FT1.2)

	65 × 65 × 42	arctic white	**5WG1 142-2EB01**		030	0.088	1
		cosmos gray	**5WG1 142-2EB11**		030	0.088	1
		royal blue	**5WG1 142-2EB21**		030	0.088	1

* You can order this quantity or a multiple thereof.

Flush-Mounting Product Ranges

DELTA ambiente

		Dimensions W × H	Color		Order No.	Price	PG	Weight 1 item	PS*/ P. unit
		mm				1 item		kg	Items
Accessories									
		Stand-alone and combination frames							
		Frames							
		83 mm							
contour	**single**	83 × 83	arctic white	contour	**5TG1 511**		021	0.081	1
				convex	**5TG1 501**		021	0.081	1
			cosmos gray	contour	**5TG1 421**		021	0.081	1
			metallic black	contour	**5TG1 461**		021	0.081	1
	double	154 × 83	arctic white	contour	**5TG1 512**		021	0.135	1
				convex	**5TG1 502**		021	0.135	1
			cosmos gray	contour	**5TG1 422**		021	0.135	1
			metallic black	contour	**5TG1 462**		021	0.135	1
convex	**triple**	225 × 83	arctic white	contour	**5TG1 513**		021	0.187	1
				convex	**5TG1 503**		021	0.187	1
			cosmos gray	contour	**5TG1 423**		021	0.187	1
			metallic black	contour	**5TG1 463**		021	0.187	1
	quadruple	296 × 83	arctic white	contour	**5TG1 514**		021	0.218	1
				convex	**5TG1 504**		021	0.218	1
			cosmos gray	contour	**5TG1 424**		021	0.218	1
			metallic black	contour	**5TG1 464**		021	0.218	1
	quintuple	367 × 83	arctic white	contour	**5TG1 515**		021	0.263	1
				convex	**5TG1 505**		021	0.263	1
			cosmos gray	contour	**5TG1 425**		021	0.263	1
			metallic black	contour	**5TG1 465**		021	0.263	1

* You can order this quantity or a multiple thereof.

■ Selection and ordering data

	Dimensions H × W × D	Color	Order No.	Price	PG	Weight 1 item	PS*/ P. unit
	mm			1 item		kg	Items

DELTA i-system pushbuttons

The UP 110 or UP 114 bus coupling unit and the corresponding DELTA line, DELTA vita or DELTA miro frame are not included in delivery and must be ordered separately.

The main features of the UP 221 pushbutton for the DELTA i-system are a wide labeling field, flat design and horizontal operation with pushbutton pair. It is also possible to activate an orientation light (LED).

The corresponding application program also provides the following optional functions: switching (on/off, over), transmitting values, dimming, shutter/blind control, slat adjustment, call-up and setting of scenes (optionally 1 bit or 8 bit).

Together with the respective DELTA i-system frame (DELTA line, DELTA vita, DELTA miro), the pushbutton is clipped onto the UP 110 or UP 114 bus coupling unit. This establishes the electrical connection between the pushbutton and the bus coupling unit over the user interface (UI).

	Dimensions	Color	Order No.		PG	Weight	PS
	UP 221, single NEW	electrical white	**5WG1 221-2AB01**		030	0.025	1
		titanium white	**5WG1 221-2AB11**		030	0.025	1
		carbon metallic	**5WG1 221-2AB21**		030	0.025	1
		aluminum metallic	**5WG1 221-2AB31**		030	0.025	1
	UP 222, double NEW	electrical white	**5WG1 222-2AB01**		030	0.025	1
		titanium white	**5WG1 222-2AB11**		030	0.025	1
		carbon metallic	**5WG1 222-2AB21**		030	0.025	1
		aluminum metallic	**5WG1 222-2AB31**		030	0.025	1
	UP 223, triple NEW	electrical white	**5WG1 223-2AB01**		030	0.025	1
		titanium white	**5WG1 223-2AB11**		030	0.025	1
		carbon metallic	**5WG1 223-2AB21**		030	0.025	1
		aluminum metallic	**5WG1 223-2AB31**		030	0.025	1

DELTA i-system physical sensors

The UP 110 and UP 114 bus coupling unit and the corresponding frame must be ordered separately.

UP 258 motion detectors

Proximity switches for detecting persons.
The integrated passive infrared motion sensor (PIR) reacts to temperature change in its monitoring range. It can be used as a stand-alone device or for main and secondary operation.

Horizontal sensing angle:	180° in two levels, can be reduced up to 90° left or right using detachable blanking cover
Range:	front for assembly height 1.10 m: approx. 10 m 2.20 m: approx. 10 m lateral: approx. 6 m in both directions potentiometer for infinitely variable adjustment between 100 % and 20 %
Light sensor:	adjustable in steps from approx. 1 to 1000 lux (night to day operation)

55 × 55 × 23

Assembly height:

		Color	Order No.		PG	Weight	PS
1.10 m		titanium white	**5WG1 258-2HB11**		030	0.059	1
		carbon metallic	**5WG1 258-2HB21**		030	0.059	1
		aluminum metallic	**5WG1 258-2HB31**		030	0.059	1
2.20 m		titanium white	**5WG1 258-2HB12**		030	0.059	1
		carbon metallic	**5WG1 258-2HB22**		030	0.059	1
		aluminum metallic	**5WG1 258-2HB32**		030	0.059	1

UP 237 room temperature controllers

The room temperature controller can be configured as a two-position controller (thermostat) or as a continuous controller (P or PI controller) for heating operation only and for combined heating/cooling operation. Suitable application programs are used to send either switching commands to electrothermal actuators (two-position control) or positioning commands to electromotive actuators (continuous control). The clearly arranged and self-explanatory operator interface includes 5 LEDs for indicating the current operating status (convenience, standby, night operation, frost/heat protection and dew point alarm), a presence pushbutton for switching from convenience to standby mode and vice versa, and a rotary button for shifting the basic setpoint.

		Color	Order No.		PG	Weight	PS
55 × 55 × 16		titanium white	**5WG1 237-2AB11**		030	0.048	1
		carbon metallic	**5WG1 237-2AB21**		030	0.048	1
		aluminum metallic	**5WG1 237-2AB31**		030	0.048	1

* You can order this quantity or a multiple thereof.

Flush-Mounting Product Ranges

DELTA i-system, DELTA line, DELTA vita, DELTA miro

	Dimensions H × W × D mm	Color	Order No.	Price 1 item	PG	Weight 1 item kg	PS*/ P. unit Items
DELTA line frames							
80 mm							
single	80 × 80	titanium white	**5TG2 551-0**		021	0.013	1/10
		electrical white	**5TG2 581-0**		021	0.013	1/10
		aluminum metallic	**5TG2 551-3**		021	0.015	1/10
		carbon metallic	**5TG2 551-6**		021	0.015	1/10
double	151 × 80	titanium white	**5TG2 552-0**		021	0.023	1/10
		electrical white	**5TG2 582-0**		021	0.023	1/10
		aluminum metallic	**5TG2 552-3**		021	0.026	1/10
		carbon metallic	**5TG2 552-6**		021	0.026	1/10
triple	222 × 80	titanium white	**5TG2 553-0**		021	0.033	1/10
		electrical white	**5TG2 583-0**		021	0.033	1/10
		aluminum metallic	**5TG2 553-3**		021	0.038	1/10
		carbon metallic	**5TG2 553-6**		021	0.038	1/10
quadruple	293 × 80	titanium white	**5TG2 554-0**		021	0.044	1/10
		electrical white	**5TG2 584-0**		021	0.044	1/10
		aluminum metallic	**5TG2 554-3**		021	0.050	1/10
		carbon metallic	**5TG2 554-6**		021	0.050	1/10
quintuple	364 × 80	titanium white	**5TG2 555-0**		021	0.055	1/5
		electrical white	**5TG2 585-0**		021	0.055	1/5
		aluminum metallic	**5TG2 555-3**		021	0.063	1/5
		carbon metallic	**5TG2 555-6**		021	0.063	1/5
DELTA line surface-mounting housings							
single NEW	84 x 84 x 42.5	titanium white	**5TG2 901**		021	0.085	1/5
		electrical white	**5TG2 861**		021	0.085	1/5
double NEW	155 x 84 x 42.5	titanium white	**5TG2 902**		021	0.125	1/3
		electrical white	**5TG2 862**		021	0.125	1/3
triple NEW	226 x 84 x 42.5	titanium white	**5TG2 903**		021	0.190	1/2
		electrical white	**5TG2 863**		021	0.190	1/2
DELTA vita frames							
83 mm							
single	83 × 83	titanium white	**5TG1 141**		021	0.012	1/10
		aluminum metallic	**5TG1 161**		021	0.014	1/10
		carbon metallic	**5TG1 151**		021	0.014	1/10
		gold	**5TG1 171**		021	0.014	1/10
double	154 × 83	titanium white	**5TG1 142**		021	0.019	1/10
		aluminum metallic	**5TG1 162**		021	0.022	1/10
		carbon metallic	**5TG1 152**		021	0.022	1/10
		gold	**5TG1 172**		021	0.022	1/10
triple	225 × 83	titanium white	**5TG1 143**		021	0.027	1/10
		aluminum metallic	**5TG1 163**		021	0.031	1/10
		carbon metallic	**5TG1 153**		021	0.031	1/10
		gold	**5TG1 173**		021	0.031	1/10
quadruple	296 × 83	titanium white	**5TG1 144**		021	0.041	1/10
		aluminum metallic	**5TG1 164**		021	0.046	1/10
		carbon metallic	**5TG1 154**		021	0.046	1/10
		gold	**5TG1 174**		021	0.046	1/10
quintuple	367 × 83	titanium white	**5TG1 145**		021	0.065	1/5
		aluminum metallic	**5TG1 165**		021	0.071	1/5
		carbon metallic	**5TG1 155**		021	0.071	1/5
		gold	**5TG1 175**		021	0.071	1/5

* You can order this quantity or a multiple thereof.

	Dimensions H × W × D	Color	Order No.	Price	PG	Weight 1 item	PS*/ P. unit
	mm			1 item		kg	Items
DELTA vita color elements							
	Size of color elements: 62 mm x 62 mm for insertion into the frame						
		titanium white	**5TG1 178**		021	0.008	1/10
		yellow	**5TG1 188-1**		021	0.008	1/10
	translucent	green	**5TG1 182**		021	0.008	1/10
		orange	**5TG1 183**		021	0.008	1/10
		red	**5TG1 184**		021	0.008	1/10
		blue	**5TG1 185**		021	0.008	1/10
	painted	dark red	**5TG1 186**		021	0.009	1/10
		dark blue	**5TG1 187**		021	0.009	1/10
	galvanized	platin	**5TG1 177**		021	0.009	1/10
		chrome	**5TG1 181**		021	0.009	1/10
		gold	**5TG1 180**		021	0.009	1/10
DELTA miro frames							
	90 mm						
single	90 × 90	Real glass	**5TG1 201**		021	0.197	1
double	161 × 90	Real glass	**5TG1 202**		021	0.243	1
triple	232 × 90	Real glass	**5TG1 203**		021	0.305	1
quadruple	303 × 90	Real glass	**5TG1 204**		021	0.370	1

* You can order this quantity or a multiple thereof.

Flush-Mounting Product Ranges

DELTA surface-mounting product range

Selection and ordering data

	Color	Order No.	Price	PG	Weight 1 item	PS*/ P. unit
			1 item		kg	Items
IP44 surface-mounting pushbuttons						
AP 115						
Surface-mounting pushbuttons, degree of protection IP44, with integrated bus coupling unit. Windows are integrated in the single pushbuttons. Behind each window is an LED that can be used for status indication or as an orientation light. The LEDs are supplied from the bus voltage.						
size of cover H × W [mm]: 75 × 66						
Intermediate position single with window gray		**5WG1 115-3AB01**		030	0.080	1
double		**5WG1 115-3AB11**		030	0.080	1
Pushbutton position single with window gray		**5WG1 115-3AB21**		030	0.080	1
double		**5WG1 115-3AB31**		030	0.080	1

* You can order this quantity or a multiple thereof.

**Further information**

Switchable outlet
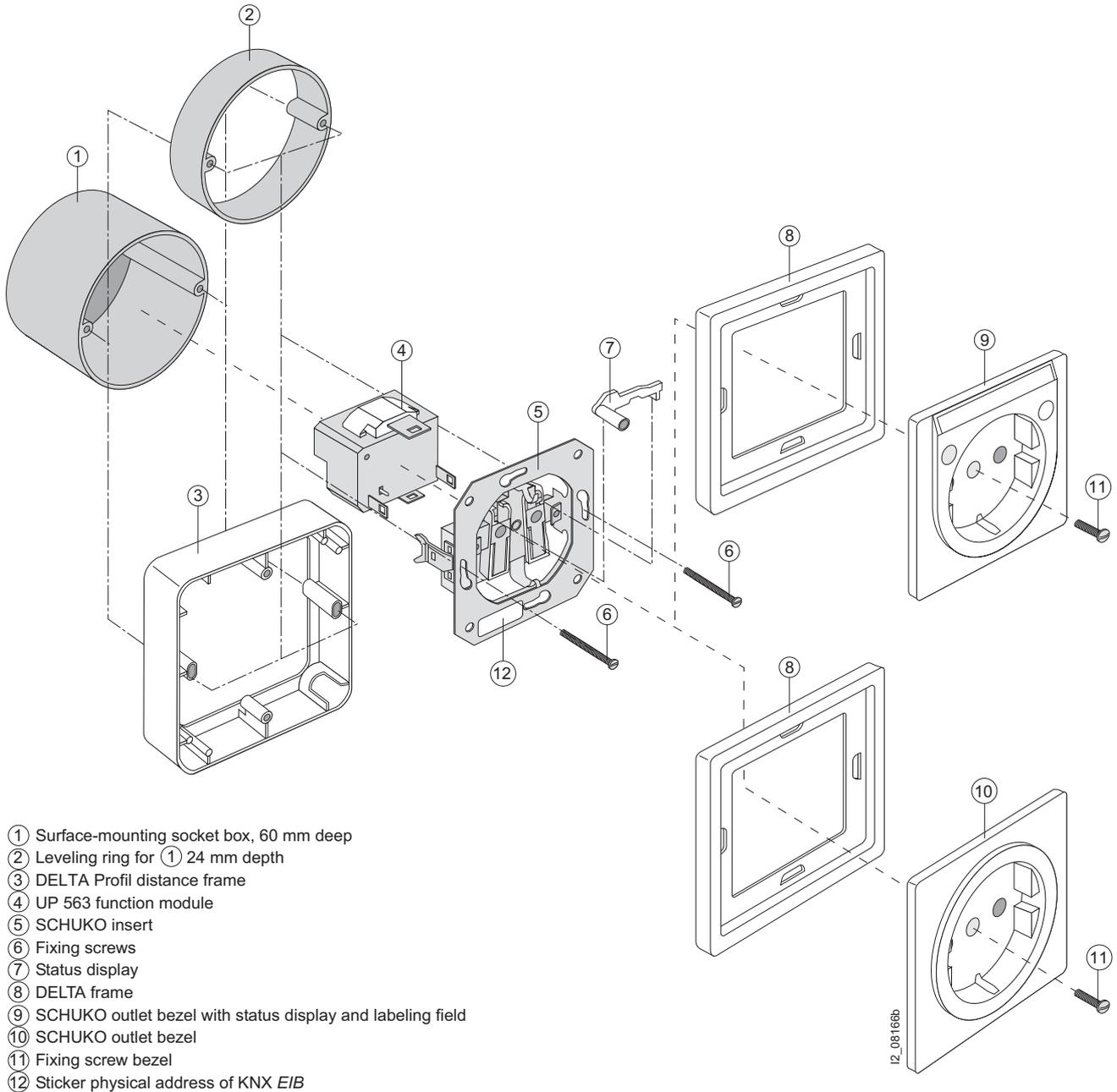
1 Surface-mounting socket box, 60 mm deep
2 Leveling ring for 1 24 mm depth
3 DELTA Profil distance frame
4 UP 563 function module
5 SCHUKO insert
6 Fixing screws
7 Status display
8 DELTA frame
9 SCHUKO outlet bezel with status display and labeling field
10 SCHUKO outlet bezel
11 Fixing screw bezel
12 Sticker physical address of KNX *EIB*

I2_08166b

General data

Operator interface with DELTA bus coupling unit

DELTA UP 115
with claw Ⓘ

I2_08159b

Ⓐ Bus coupling unit
Ⓑ Screw fixing
Ⓒ DELTA frame
Ⓔ DELTA pushbutton/rocker, single, double
Ⓘ Claw fixing
Ⓚ without (UI) user interface
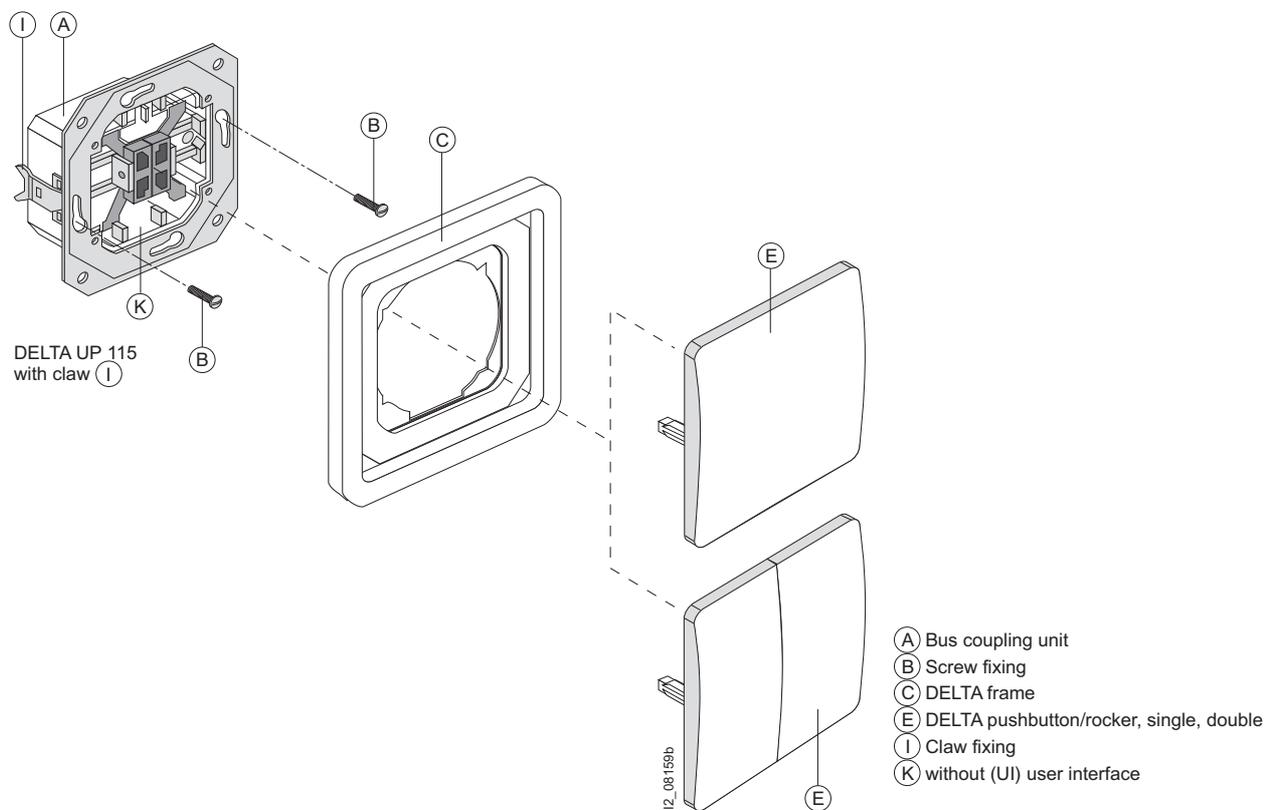
instabus KNX _EIB_ operator interface without coupling frame

UP 110 without claw
UP 114 without claw

UP 110 with claw Ⓘ

I2_08160d

Ⓐ Bus coupling unit
Ⓑ Screw fixing
Ⓒ DELTA frame
Ⓓ Antitheft device
Ⓕ DELTA KNX _EIB_ pushbutton,
single, double, quadruple + (IR)
Ⓘ Claw fixing
Ⓚ with (UI) user interface
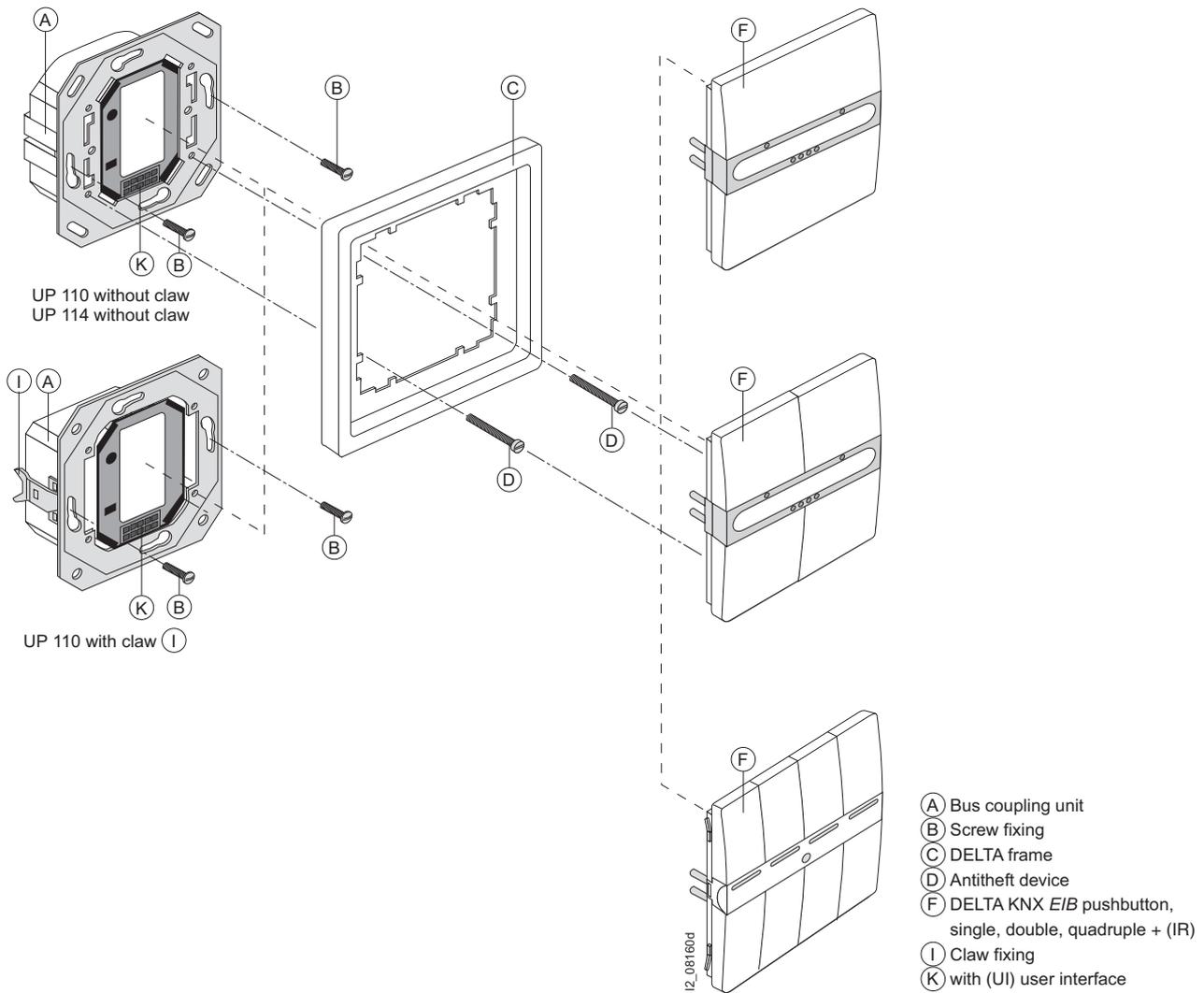
Flush-Mounting Product Ranges

***instabus* KNX *EIB* operator interface with coupling frame**

UP 110 without claw
UP 114 without claw

UP 110 with claw Ⓘ

Ⓐ Bus coupling unit
Ⓑ Screw fixing
Ⓒ DELTA frame
Ⓓ Antitheft device
Ⓖ DELTA KNX *EIB* multifunctional
sensors, central antitheft screw fastening
Ⓗ Fixing clip
5WG1 294-8AB01 antitheft device
Ⓘ Claw fixing
Ⓚ with (UI) user interface
Ⓛ Coupling frame

I2_08161d