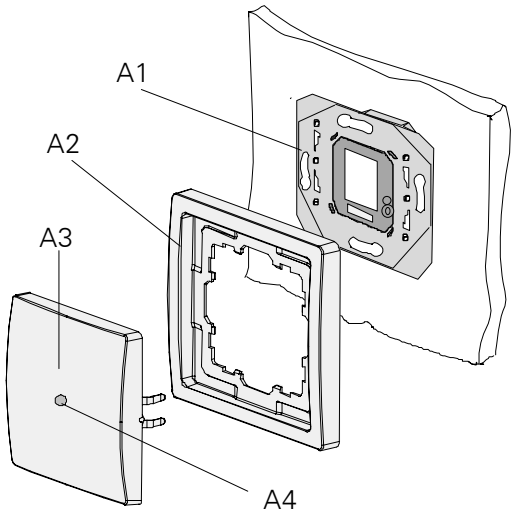
Coupler wave / *instabus* UP 140	**5WG3 140-2_B_1**

Product	**DELTA i-system**		**DELTA profil**		**DELTA style**	
Coupler wave / *instabus* UP 140	titanium white carbon metallic aluminium metallic	5WG3 140-2HB11 5WG3 140-2HB21 5WG3 140-2HB31	pearl gray titanium white anthracite silver	5WG3 140-2AB01 5WG3 140-2AB11 5WG3 140-2AB21 5WG3 140-2AB71	titanium white basalt black	5WG3 140-2GB11 5WG3 140-2GB21
Frame	-		cut-out frame		-	
	must be separately ordered from the DELTA product range					
Bus coupling unit	UP 114					



A1 bus coupling unit UP 114
A2 Frame
A3 Coupler wave / *instabus* UP 140 *)
A4 LED

*) Scope of delivery

Figure 1: Mounting the Coupler wave / *instabus* UP 140

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Product and Applications Description

The Coupler wave / *instabus* UP 140 connects the GAMMA wave radio system to the GAMMA *instabus*. It is a special push button wave available in the designs of the DELTA profil, DELTA style and DELTA i-system (line, vita and miro) switch ranges.
The Coupler is plugged together with the corresponding switch range frame onto an *instabus* bus coupling unit UP 114 (must be separately ordered).
Transmission is bidirectional. Messages and commands which are received by radio are sent on the *instabus* and vice versa, i.e. received bus telegrams are forwarded by radio.
The push button of the coupler enables optional operation by means of the *instabus* and radio.
In the middle of the push button is an LED which is used to indicate telegram transmissions and the programming mode of the coupling unit.

The programming of the Coupler wave / *instabus* UP 140 and the connection with other radio components takes place with the help of the ETS.

Note:

A bus coupling unit UP 114 Version 2.1 (21R1) or higher must be used for the Coupler wave / *instabus* UP 140.

Application programs

25 CO Coupler wave / *instabus* 980B02

With the application program 25 CO Coupler wave / *instabus* 980B02, messages and commands received by radio are sent on the *instabus* and vice versa, i.e. received bus telegrams are forwarded by radio.

At present the following GAMMA wave devices can be connected to the *instabus* using the application program of the Coupler UP140:

- Push button wave UP 210 with Switch insert sys
- Push button wave UP 210 with Universal dimmer insert sys
- Push button wave shutter UP 211 with Shutter control insert sys
- Transmitter battery wave UP 110
- Transmitter 230V wave UP 110
- Transmitter Actuator 230V wave UP 560
- Hand-held transmitter wave S 425
- Door/window contact wave AP 260
- Binary Input wave AP 261
- Smoke Detector module wave uni M 255
- Socket outlet switch wave/DECT S 563
- Socket outlet switch S 564

Functions of the local push button of the Coupler UP 140 using the *instabus* and radio:

- 1 x changeover switching (Toggle On/Off) or
- 1 x dimming with changeover switching (On/Off) or
- 1 x shutter/blind movement with slat adjustment or
- 2 x scene save and retrieving

Technical data

Frequency band
868 MHz (transmission is not susceptible to interference; frequency band reserved for system and security applications)

Range of radio control
approx. 100 m (applies to free field applications)

Power supply
- EIB-bus power supply:
  via the bus coupling unit UP 114
- EIB-bus current:
  max. 30 mA (triple standard bus load)

Connections
10 pin bar (PEI) for connection to the bus coupling unit

Control elements
1 push button rocker, idle in middle position

Indicator lamps
1 red LED in the middle of the push button

Mechanical data
- Housing: plastic
- Dimensions (L x W x D):
  DELTA i-system 55x55x24mm (including spring)
  DELTA profil 65x65x25mm (including spring)
  DELTA style 68x68x27mm (including spring)
- Weight: approx. 35g
- Fire load: approx. 950kJ
- Mounting: placed on the bus coupling unit UP 114

Electrical safety
- Pollution degree (acc. to IEC 60664-1): 2
- Protection (acc. to EN 60529): IP 20
- Overvoltage category (acc. to IEC 60664-1): III
- Device complies with EN 60669-2-1 and IEC 60664-1

Environmental conditions
- Climatic conditions: EN 50090-2-2

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- Ambient operating temperature: - 5 ... + 45°C
- Storage temperature: - 25 ... + 70°C
- Relative humidity (non-condensing): 5% to 93%

EMC requirements
complies with EN 60669-2-1, EN 301489, EN 300220

Approval
complies with KNX - standard
radio frequency rf

CE

CE norm
complies with the EMC regulations (residential buildings), low voltage regulations and R&TTE regulations:

Declaration of conformity
SIEMENS AG declares herewith that the coupler wave / *instabus* UP 140 complies with the basic requirements and other relevant regulations of Directive 1999/5/EG.

The CE declaration can be inspected at:
SIEMENS AG
Siemensstraße 10
93055 Regensburg

Installation Instructions

Caution:
- The device may be used for interior installations and in dry rooms only.
- The installation of the device into metal walls has to be avoided since through this the range of radio control is reduced considerably.
- Occasionally the transmission range may be influenced by structural conditions (e.g. reinforced concrete) or electric / electronic sources of interference.
- A minimum distance of 0.5 m must be maintained between the transmitter and the relevant receivers.
- Though the radio transmission is carried out in the safe 868 MHz range, disruptions to the radio transmission cannot be excluded.
- The radio transmission is not suitable for security applications.

⚠ WARNING

- The device must be mounted and commissioned by an authorized electrician.
- The device may not be inserted in the same box as 230 V devices.
- The device must not be opened.
- The device may be mounted to switch and socket combination box mounts if VDE-certified devices are used exclusively.
- For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.

Mounting

The Coupler wave / *instabus* UP 140 is plugged together with the corresponding frame onto the bus coupling unit UP 114. The electrical connection between the coupler and the bus coupling unit is thus established via the PEI.

Mounting the Coupler wave / *instabus* UP 140:

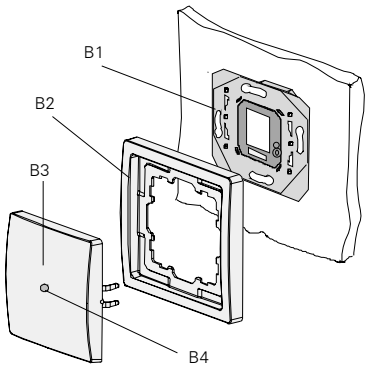

Diagram B

B1 bus coupling unit UP 114
B2 Frame
B3 Coupler wave / *instabus* UP 140
B4 LED

1) The bus coupling unit UP 114 is connected and mounted within the flush-type box (see mounting instructions for the bus coupling unit).
2) Plug the Coupler UP 140 together with the corresponding frame onto the bus coupling unit UP 114.

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Important: Cut-out frames have to be used to integrate the coupler wave / *instabus* UP 140 into the DELTA profil range.

Disassembly:

Pull off the Coupler wave / *instabus* UP 140 together with the corresponding frame by hand (Diagram C).

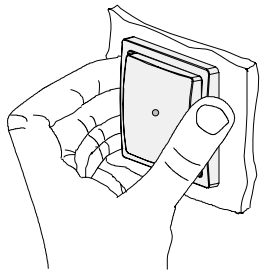
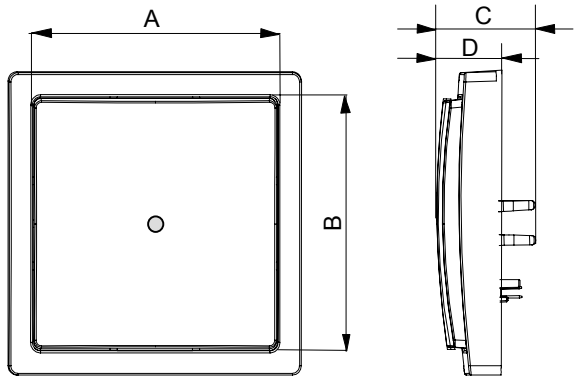


Diagram C

Dimension drawing

Dimensions in mm

	A	B	C	D
DELTA i-system	55	55	24	13
DELTA profil	65	65	25	14
DELTA style	68	68	27	16.5



General Notes

- The operating instructions must be handed over to the client.
- Any faulty devices should be returned to the local Siemens office.
- If you have further questions concerning the product please contact our technical support:

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🗐 www.siemens.com/automation/support-request