

# Control units

The various functions of the control units in vehicles must be as fast, safe and easy to operate as possible. The most important functions can all be accessed using the fast access buttons. Whether mounting control unit or hand-held control unit, we offer a range of options for a variety of applications.



**HBE 300 hand-held control unit**



**BE 304 control unit**



Fig. BE 200 NN

**Control unit BE 200/300**

# HBE 300

The HBE 300 is able to control both CAN-compatible warning systems as well as analogue supplements. A special version of the HBE 300 was developed for use in amber light scenarios.



## PRODUCT FEATURES:









- CANopen Standard 447
- 8 fast access buttons
- 4 menu buttons
- Buttons with location and activation lighting
- Integrated microphone for public address
- High-contrast wide angle lens
- Easy to operate thanks to large buttons
- Convenient menu navigation with self-explanatory icons
- Analogue outputs for additional functions
- Can be used in any vehicle (even without a 447 gateway)
- Various models available
- Optimal for controlling DBW 4000 and DBW 5000

*Homologation: (Germany and international)*





EMC in accordance with ECE-R10:

Ⓔ10R-05 6932

## Examples:

Functions of the fast access button (HBE300 GE1)	
	Switches on the main beacons and, if necessary, front flasher and 3 beacons together. Night dimming is activated during operation by pressing and holding the button (> 3 sec.).
	Activates/deactivates the front flasher when the main beacons are activated. (locks with the main beacons).
	Activates/deactivates the built-in front-facing working lights. A condition (approval signal) might be required or configurable.
	Activates/deactivates the built-in rear-facing working lights. A condition (approval signal) might be required or configurable.
	Activates/deactivates the backlighting of the message in the lightbar. A quiet tone sequence cycle is triggered by pressing and holding the button if the main beacons are activated and the ignition is switched on (Kl.15).
	Activates/deactivates the rear warning system. A condition (approval signal) might be required or configurable.
	Activates/deactivates the built-in left-facing working lights. A condition (approval signal) might be required or configurable.
	Activates/deactivates the built-in right-facing working lights. A condition (approval signal) might be required or configurable.



Functions of the fast access buttons (HBE300)	
	Navigate upwards through menu items and functions.
	Navigate downwards through menu items and functions.
	Select and choose menu items/functions.
	Return to the previous menu item level. By holding and pressing this button, you also switch off all active functions.

# BE 304

The new control unit BE 304 convines with its compact dimensions an versatile mounting options. The raised buttons with a clear pressure point provide a very good surface feel. This control unit is optimally suited for undercover police operations as well as for other emergency and work vehicles with a basic set of functions. Due to its versatile functional options the BE304 can be optimally configured for any application area.

## PRODUCT FEATURES:

- compact synthetic housing
- 4 function keys for operating CAN-compatible products
- location and activation lighting
- horizontal or vertical positioning possible (4x1 or 1x4)
- combination of several control units or as an additional keypad to other CAN control units (single viewing necessary, please contact our sales department.)
- Four-core connecting cable via cable harness to CAN components
- 12 V / 24 V
- surface mounting; rack mounting options on request
- Includes analogue inputs and outputs

## APPLICATION AREAS:

- amber area: Construction vehicles, building yards, commercial vehicles in general, airports
- vehicles with reduced scope of warning functions
- undercover police operation
- simple fire engines
- individual switch in CAN systems:



<b>Homologation: (Germany and international)</b>	
EMC in accordance with ECE-R10:	(E) 10R-05 8548

<b>Technical data</b>	
Weight:	45 g
Dimensions:	84 x 26 x 15.5 mm (WxHxD)

# Control unit BE 200 (analogue)

## BE 200 NN



The control unit BE 200 NN is ideal for controlling analogue products. A total of 6 buttons enable the safe operation of the warning system functions.

### PRODUCT FEATURES:

- 6 buttons to control the functions
- All buttons are with backlighting and have activation control
- Unassigned buttons, partially with opportunity for locking with beacons
- Three control lights for function monitoring
- Small housing dimensions
- Cover for DIN vehicle radio shaft available as an option

Homologation: (Germany and international)	
EMC according to 72/245/EEC:	e1 03 3477

Technical data	
Weight:	180 g
Dimensions:	76 x 41.5 x 32.5 mm (WxHxD)

# Control unit BE 300 (digital)

## BE 308 GE Universal 1



In addition to a serial interface that meets the CAN447 standard, the control unit BE 308 GE also offers analogue outputs to control products that are not CAN-compatible. A total of 8 buttons facilitate the reliable operation of the warning system's basic functions.

### PRODUCT FEATURES:

- 8 function buttons for operating CAN-compatible products
- Including analogue in- and outputs (4x inputs and 10x outputs)
- Small housing dimensions
- Can be used with or without vehicle gateway
- Various key assignments can be selected
- Cover for DIN vehicle radio shaft available
- Optimal for controlling DBW 4000 and DBW 5000

#### Homologation: (Germany and international) control units BE 300

EMC in accordance with ECE-R10:

(E) 10R-04 6703

## BE 300M



### PRODUCT FEATURES:

- Purely menu-guided control unit
- Exclusively for operating a CAN447 full matrix
- Selection of various messages for the full matrix
- Cover for DIN vehicle radio shaft available as an option

#### Technical data (BE 308 & BE 300M)

Weight:

140 g

Dimensions:

93 x 52 x 24 mm (WxHxD)