

Attendant Control OpenBus™ – ACO Data Sheet



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Introduction

The Attendant Control OpenBus™ (ACO) is a cost optimised and compact unit with up to 21 buttons that can be used as hand control keys or lock-outs. The lock-out function can be made visible by using yellow LEDs.

The ACO is compatible with control boxes that use an OpenBus interface.

The ACO is for use with advanced hospital and patient care beds (nursing beds) where patient positioning must be carefully controlled by medical staff.

The ACO allows nursing staff to retain direct control over critical positioning functions while giving the patient a limited degree of adjustment. This high degree of selective control is vital in cases such as spinal injuries and other similar conditions where backrest positioning must be carefully supervised.

The ACO is ergonomically designed and easy to install on even the most advanced equipment.

The ACO has a flexible “hook” which enables it to be positioned according to the nurses wishes, out of reach of the patient (for example at the end of the bed), and serves to block the hand control functions that may be inappropriate, or even dangerous to the patient, (for example in connection with a broken leg).

The ACO can be ordered with antimicrobial housing, hook and front cover material to limit growth of microbes.

Features and options

- Controls functions and movement, for instance when using CO-Link™ and OpenBus™
- Ergonomically shaped and easy to hold and operate with two hands
- Standard front cover has improved user layout. The self-explanatory buttons and their functions are easy to locate and operate
- High strength plastic housing protects the electronics
- Optional antimicrobial material (housing, hook, front cover) to limit growth of microbes
- Cleaning is made fast and easy because of rounded contours and assembly of the cover onto a low edged surface
- Protection against single fault condition according to EN 60601-1 when connected with control boxes that use an OpenBus™ interface
- A LED indicates when the battery is being charged (yellow)
- Protection class: IPX6 or IPX6 Washable DURA™
- Colour: Grey RAL 7035
- Connection to CB or MJB via a “modular jack” cable
- Flexible “hook” (dimensioned to fit onto either a Ø32mm or Ø42mm rail)
- Number of buttons: Up to 21
- It is possible to design front covers according to customer requests



Usage

Operation temperature:	+5 °C to +40 °C
Storage temperature:	-10 °C to +50 °C
Relative humidity:	20% to 80% – non-condensing
Atmospheric pressure:	700 to 1060 hPa
Flammability rating:	V2
Meters above sea level:	Max. 3000 meters
Approvals:	IEC 60601-1 IEC 60601-1-6 ANSI/AAMI ES60601-1 CAN/CSA-22.2 No 60601-1

The antimicrobial ACO version includes active additives in the plastic of the hand control housing and the hook. The front cover has a second layer that is antimicrobial.

In order to comply with the norm, the ACO must hang vertically from its hook during the washing process.



ACO in vertical position



Recommendations

- Always use locking ring and cables with O-rings
- Locking ring and cables with O-rings must be fitted to ensure IP degree
- If other front covers than standards are requested, the front cover guidelines should be consulted

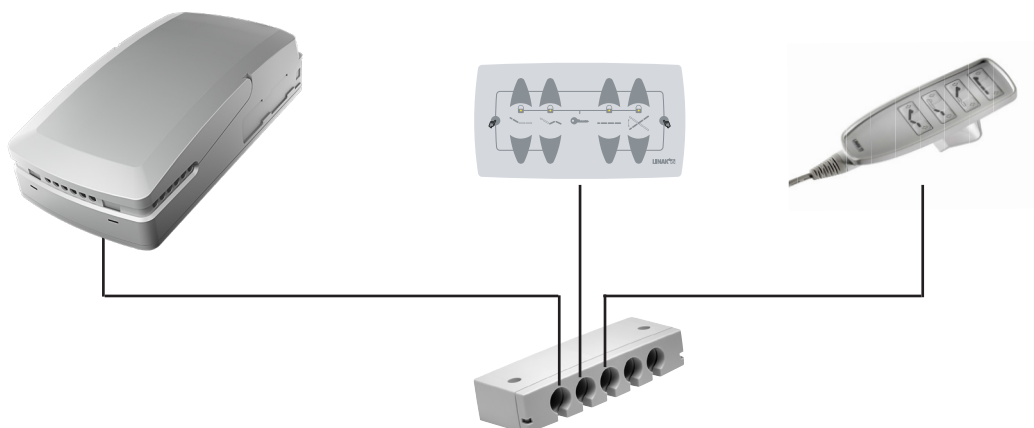


System overviews

OpenBus™ CB (COxx)

ACO

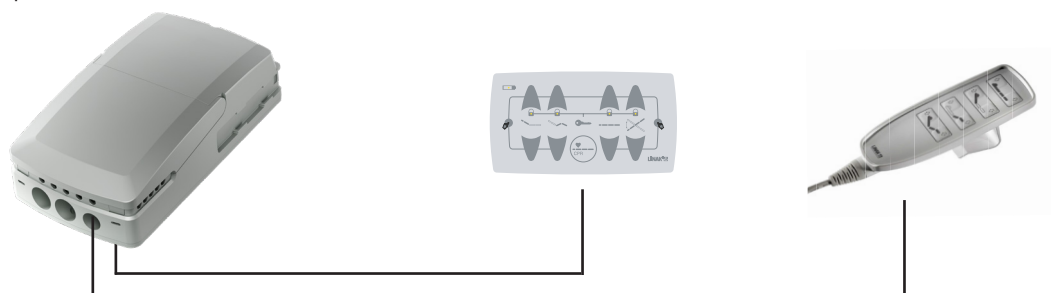
Hand control



OpenBus™ CB (CO53)

ACO

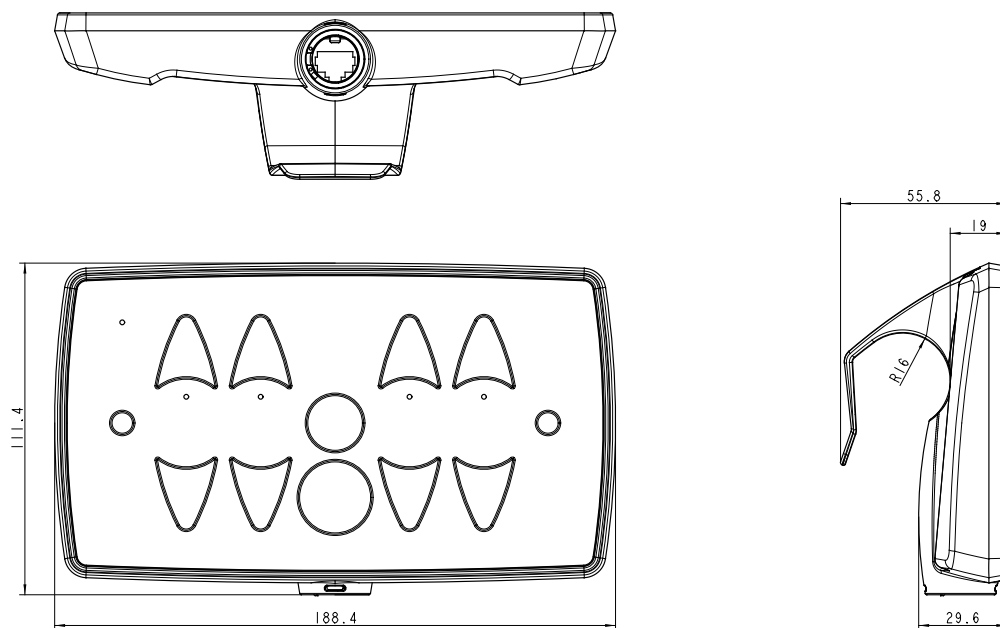
Hand control



Ordering example

AC	O	3	0	1	0	0	0	1	0	0	0	6	-	2	1	0	0	0	0	0	0	N	N	N	0	0	0
Attendant Control OpenBus																											
Number of rows: 3 = 3 rows																											
Functionality: 01 = Standard 0X = Special																											
Front cover: 0 = Standard X = Special																											
Front cover number: XXX = the last 3 digits in the front-cover number																											
Background light: 0 = None																											
Not used 0 = None																											
IP-degree: 6 = IPX6 W = IPX6 Washable DURA™																											
Colour: 2 = Grey RAL7035																											
Mounting: 1 = Hook ø32 mm 2 = Hook ø42 mm (not for antimicrobial)																											
Housing: 0 = Standard 1 = Antimicrobial																											
Not used 0 = None																											
Not used N = None																											
Not used 0 = None																											

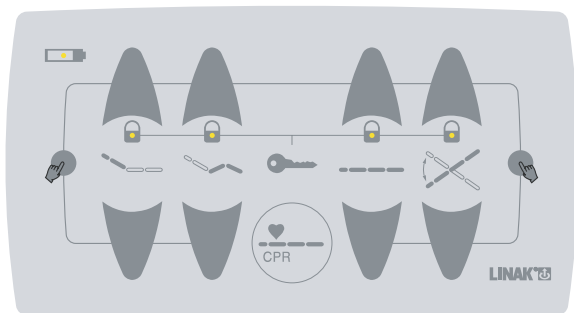
Dimensions



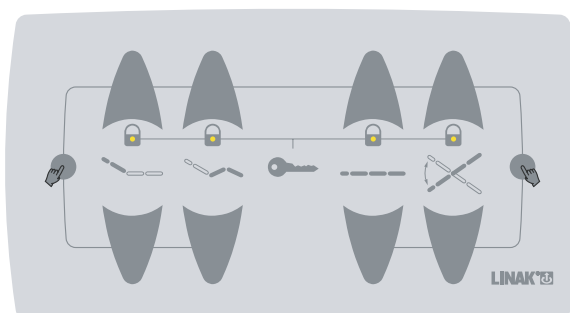
Dimensions with Ø42 hook



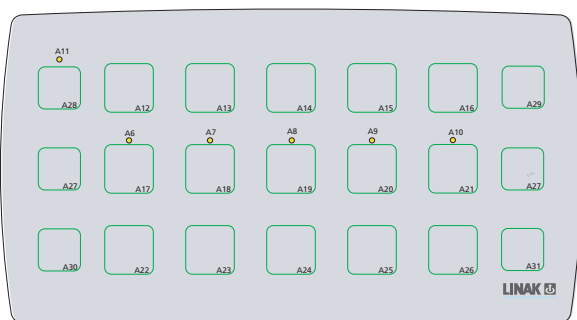
Standard front covers



00ACO1A-001

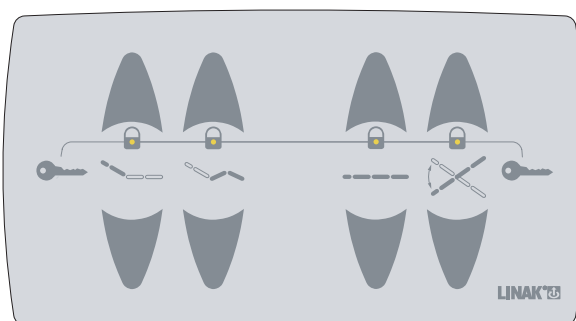


00ACO1A-002

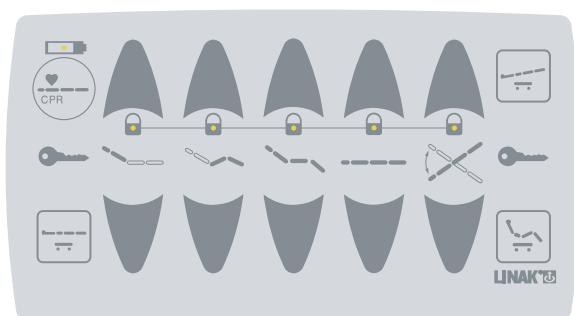


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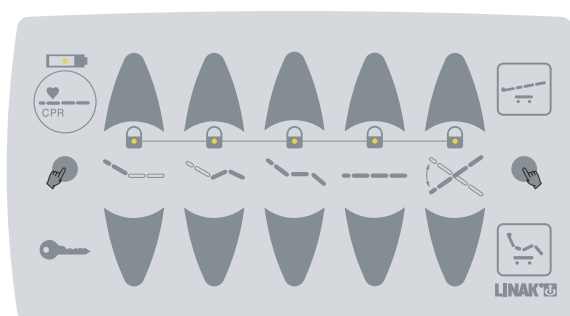
Designed to be used for sample orders,
SW specification, tests etc."



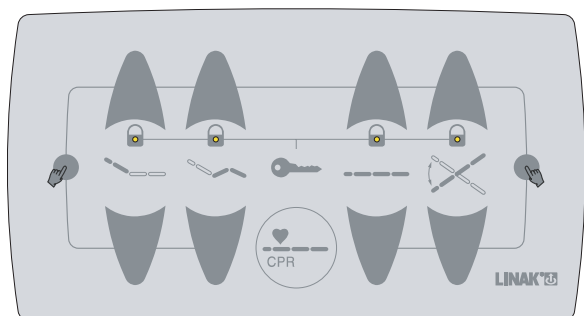
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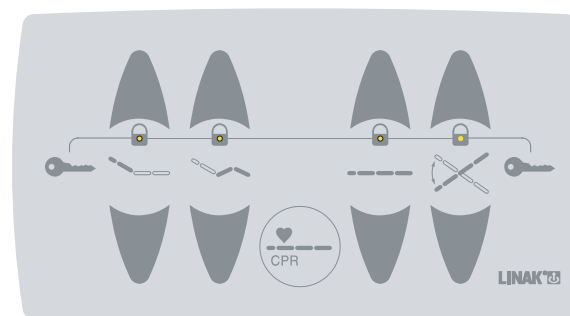
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00ACO1A-018

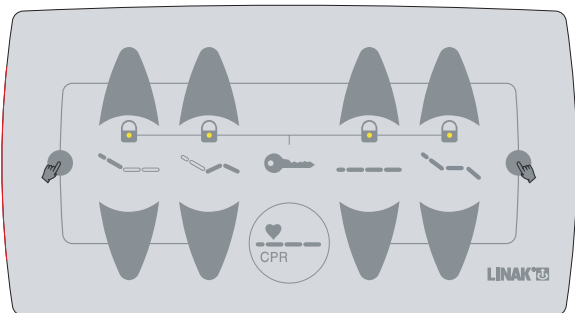


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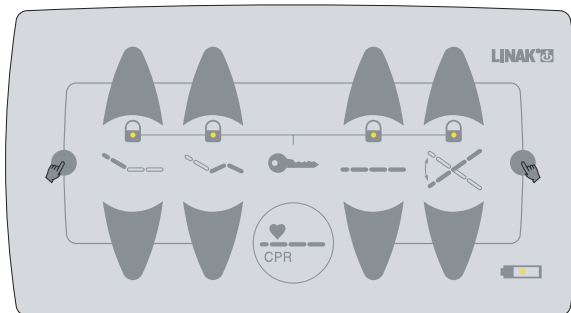


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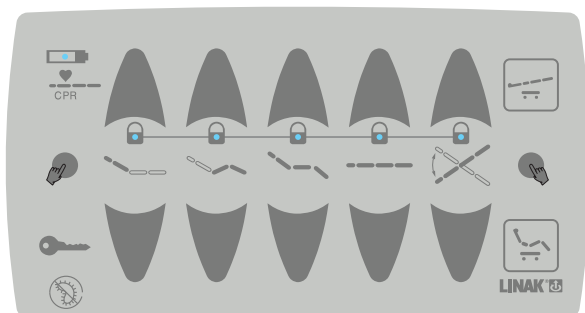


00ACO1A-045



00ACO1A-055

ACO Antimicrobial front cover, example



00ACO1E-000

For customised front covers please contact LINAK A/S.



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