Attendant Control OpenBus™ – ACO

Data Sheet



Contents

Introduction 3
Features and options 3
Usage 4
System overviews 5
Ordering example 6
Approvals and certifications 7
Dimensions 8
Standard front covers 9
Contacts 11

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).

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
- 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

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

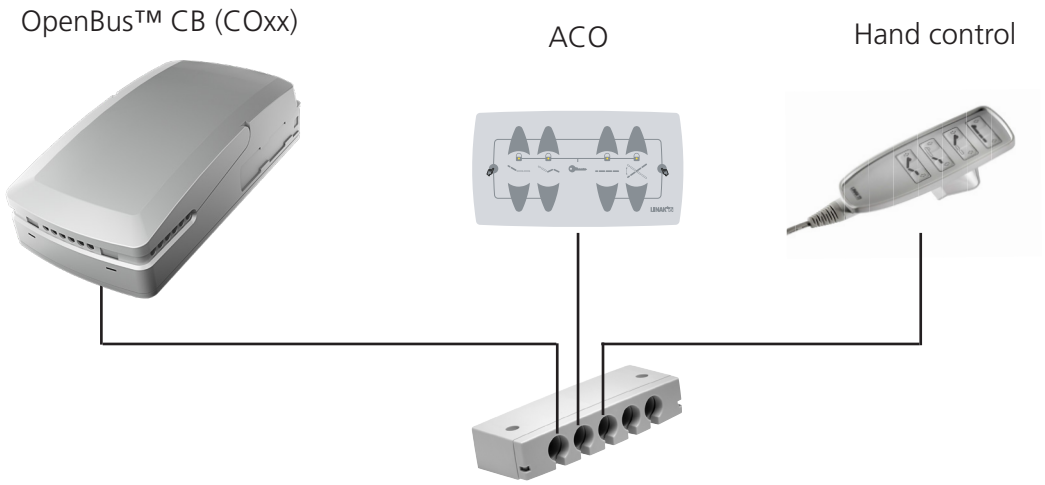


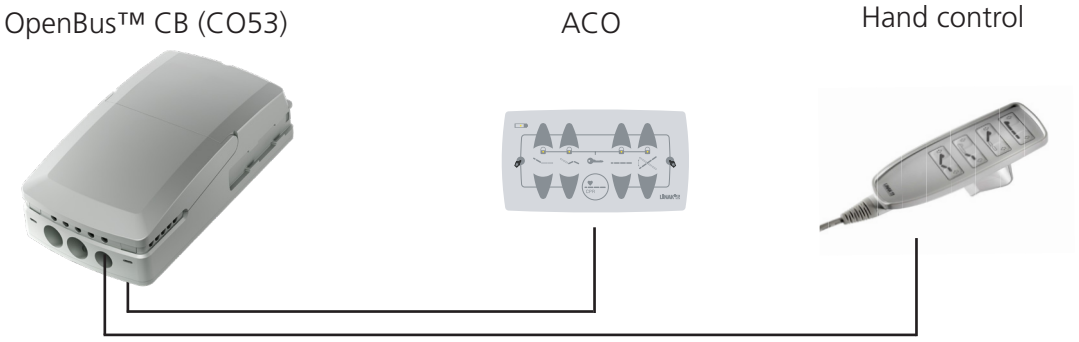
ACO in vertical position

Recommendations

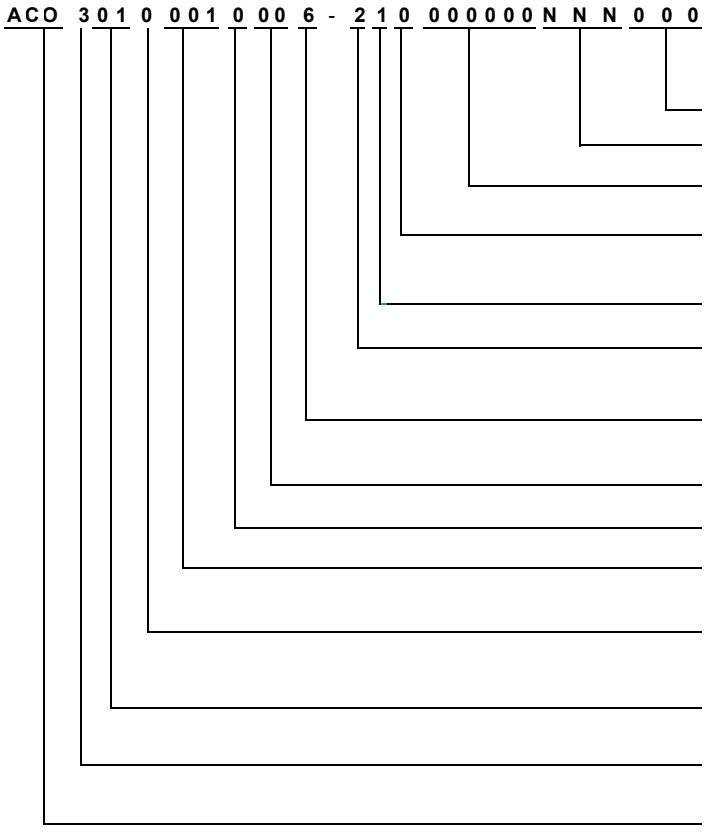
- Always use locking ring and cables with O-rings
- Locking ring and cables with O-rings must be fitted to ensure IP degree
- If other front covers than standards are requested, the front cover guidelines should be consulted

System overviews





Ordering example



Approvals and certifications

For approval documentation, LINAK recommends specifying the product type instead of individual item numbers to ensure broader approval coverage and simplify future product changes.

Listed LINAK item for application approval: ACO

If this is not possible, we advise being as non-specific as possible when specifying LINAK products in your approval application:

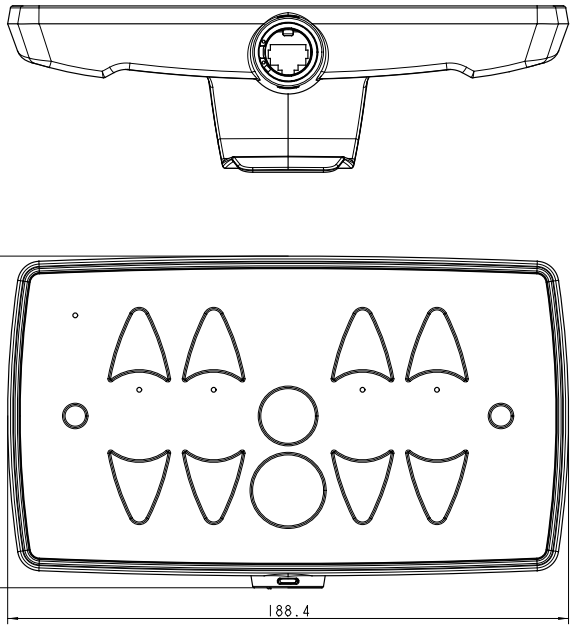
Listed LINAK item for application approval: ACOS*****+**S**

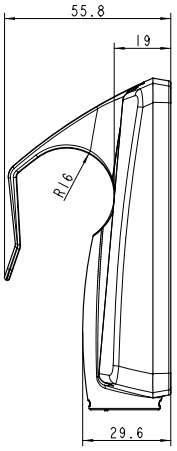
" * " is not safety critical and we recommend including a non-specific signifier such as an asterisk.

" S " is safety critical and represents a listed critical component in the product and cannot be left out.

For more information, please refer to "Approvals and certifications" in LINAK Application Design Recommendations found under User Manual for any given product on LINAK.com

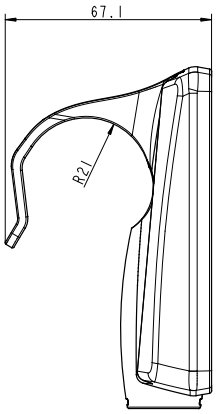
Dimensions



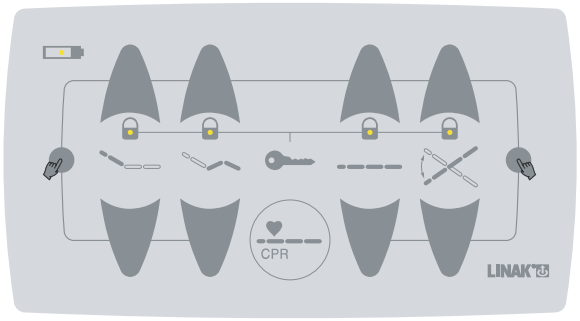


Dimensions with Ø42 hook

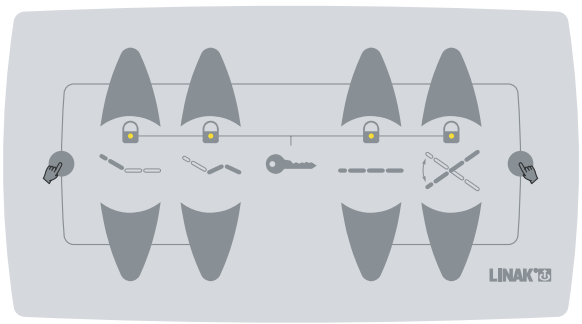




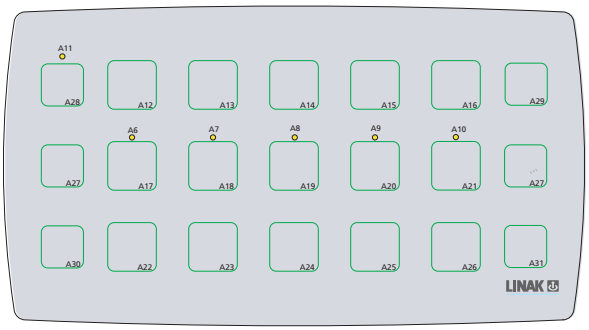
Standard front covers



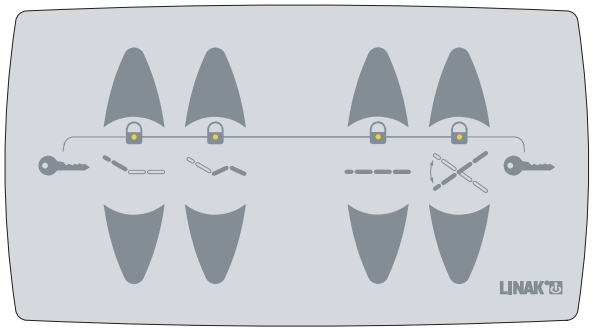
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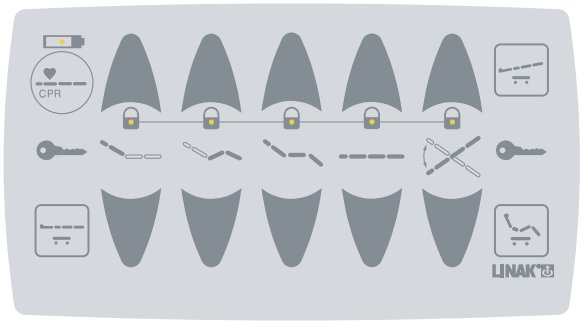
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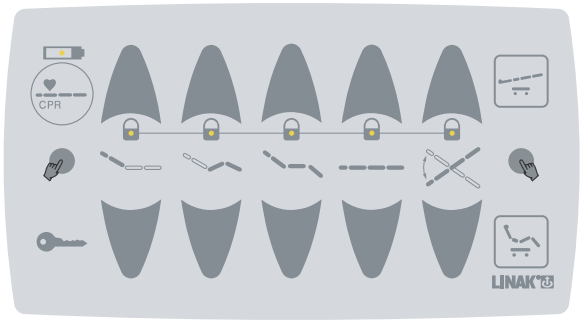
00ACO1A-004
Designed to be used for sample orders,
SW specification, tests etc.”



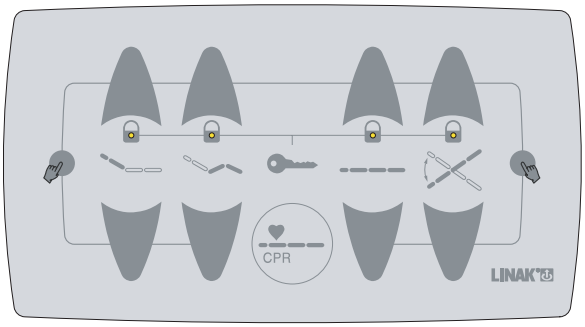
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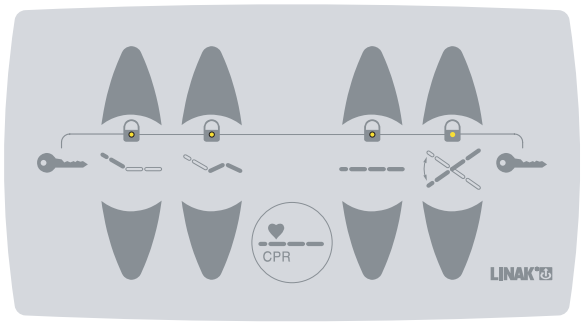
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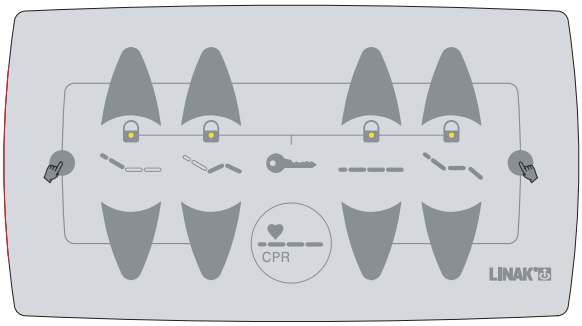
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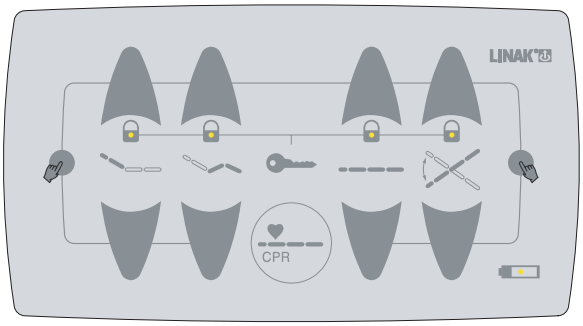
00ACO1A-019



00ACO1A-027



00ACO1A-045



00ACO1A-055

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