

CP300/4-BB



Features

CP300/4-BB is an active opto-electronic protective device (AOPD) in accordance with EN61496 consisting of transmitter and receiver with 4 beams, which are already mounted at the factory, each in a device column and pre-parametered with data record, BB. Ready prepared connection cables must be ordered separately, as are accessories. The muting function is activated and can be used in conjunction with the corresponding accessories (see ordering information) in the following applications:

- System separation with muting by optical sensors (similar to CPSET-M11)
- Transfer station with muting by induction loops (similar to CPSET-M12)
- Access guarding without muting (similar to CPSET-M13)

One of the accessory sets CPSET-M1x-ACC must be ordered separately. It contains the Connecting and Operating Instructions manual with important additional information to the system, that must be imperatively respected.

**ISO
9001**

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CP300-4-BB

Installation

1. The devices are already installed in the UDC device column. The installation height can be adjusted by loosening the Allen screws of the device brackets in the column.
2. Determine the mid-points for mounting the columns and mark them on the floor.
3. Start at the mid-points, mark the connecting lines on the floor for a length of approx. 90 mm.
4. Place the drill template on each mid-point, orienting it according to the connecting lines. Mark the holes positions.
5. Drill the fixing holes 80 mm deep and insert floor braces.
6. Set the columns, screw them firmly into place and adjust roughly using the level. Using the adjustment screws, adjust the vertical position of the device columns using the spirit level.
7. Mount and connect evaluation unit and commitment unit, and muting accessories if required.
8. Connect cable to device plug, integrate safety related switching output in the machine control circuit and connect power supply cable.
Caution: Observe jumper between Pin3 and 4 of the transmitter!
9. Switch devices on and ensure that they are aligned correctly. Optimum alignment has been achieved when the orange indicator of the receiver lights.
10. After unlocking the restart interlock the receiver signalizes with a green LED that the output the OSSDs are free. Align muting sensors if required. With simultaneous activation of two opposite light sensors the LED muting lamp lights on the evaluation unit.

Note

Note that the jumper between terminal 3 and 4 on the CPT transmitter must be closed. If this is not the case the decimal point on the 7-segment display lights up; the receiver does not switch on, even with correct alignment (LED remains red).

Note the increased response time of 68 ms (H21) compared with the default setting. The safety distance to the danger point must be observed accordingly.

Ordering Information

Item	Description	Item no.
CPR300/4-m03/R2	Receiver, 4-beam with BB parametering	68900062
CPT300/4/T2	Transmitter, 4-beam	68804001
CPR300/4-m03/R2 in UDC-1900	Receiver, 4-beam, BB in device column	905023
CPT300/4/T2 in UDC-1900	Transmitter, 4-beam in device column	905024
CB-8N/W-15000-12GF/GM	Interface cable 15 m with WeiCos terminals	426064
CB-8N/W-25000-12GF/GM	Interface cable 25 m with WeiCos terminals	426068
SLAB-SWC	SafetyLab Diagnostics and Parameterization Software	520073
CPSET-ACC-BB-IND	Control unit with induction loop evaluation circuit	426360
CPSET-ACC-BB-OPT	Control unit for optical sensors	426361
CPSET-ACC-BB-RST	Commitment unit with lit sensors	426362
CPSET-M11-ACC	Accessory set for system isolation (OPT)	426385
CPSET-M12-ACC	Accessory set for transfer station (IND)	426384
CPSET-M13-ACC	Accessory set for access guarding (RST)	426386
CPSET M11	Complete set for system isolation, 2-beam	909992
CPSET M12	Complete set for transfer station, 2-beam	909991
CPSET M13	Complete set for access guarding, 2-beam	909993

Electrical Connection

