



Montage- und Betriebsanleitung

D

Installation and operating instructions

GB

Instructions de montage et d'utilisation

F

Istruzioni per il montaggio e la manutenzione

I

Member of JOST-World

RI-BC

Fernanzeige Basisausführung – Kabinenanzeige

Remote indicator Basic – cabin

Indicateur à distance version de base – cabine

Indicatore a distanza, modello base – per cabina



RI-BC

Remote indicator Basic – cabin

for model series:

RO*400, RO*430, RO*410, RO*413

RO*500, RO*590 (see page 12)



Installation must be carried out by an authorised workshop!

Before installation, please read these instructions carefully!

Official note

When installing the remote indicator, EC Directive 94/20, in particular Annex VII, and the relevant national regulations must be observed. The fitting and operating instructions must be kept in the vehicle.

Subject to technical changes without prior notice

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Retrofit kit complete		71654	71670	71663
for trailer coupling Type as of T...				
T0	RO*500, RO*530, RO*560,	-	-	X
T0	RO*50 and RO*50E	X	-	-
T0	RO*50BNA	X	-	-
T1	RO*400 and RO*430	X	-	-
T0	RO*40E and RO*40CH	X	-	-
T0	RO*56E and RO*561E	-	X	-
T0	RO*57 und RO*50flex	-	-	X

1.1 Before installation

The kit does not include the electric fuse!
Fuse type according to the truck manufacturer's instructions!

Note: When installing the remote indicator, please observe:

- applicable national regulations
- guidelines of the vehicle manufacturer
- the generally applicable regulations for the installation of electrical components in a truck
- possibility of axial rotation of the coupling head min. $\pm 25^\circ$

1.1.2 Interfaces

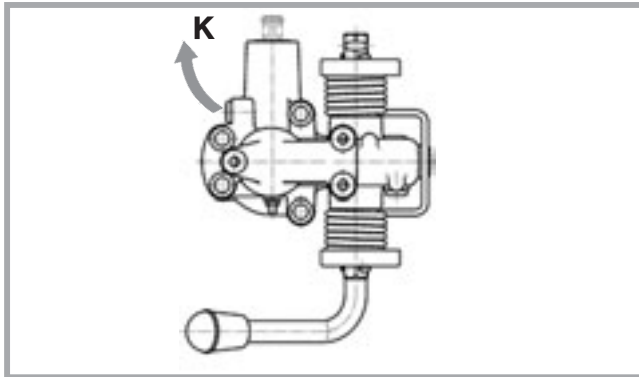
The trailer coupling must have the appropriately prepared interface for the later installation of a remote indicator or a sensor (**S1**).
 See Inspection.

1.1.3 Inspection of the components

- Does the retrofit kit match the trailer coupling?
 - compare the data on the type plates
 - the last digit of the article no. = techn. status (**T**), see table
- Check the supplied components for completeness

Each retrofit kit contains:

- 1x GREEN LED indicator (with "coupling closed" symbol) for installation in the driver's cab
- 1x extension cable 15 m with fitted plugs
- 1x sensor unit, single, with mounting flange and plug
- 1x set of fastening elements
- 1x installation instructions



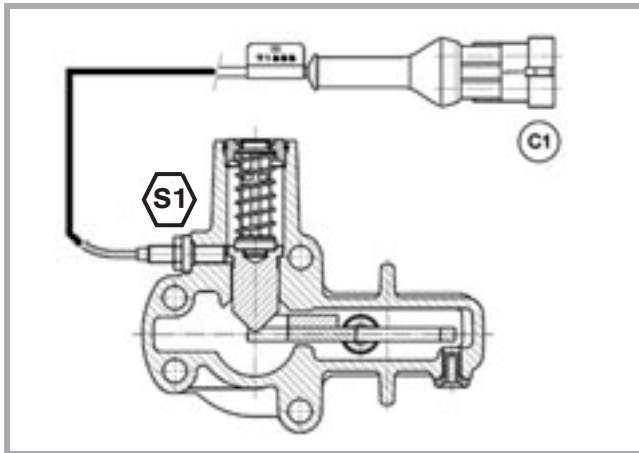
1.2 Installation of the sensor S1

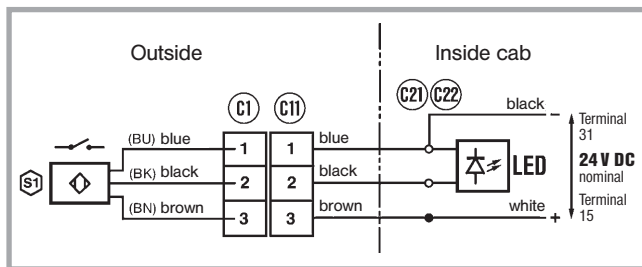
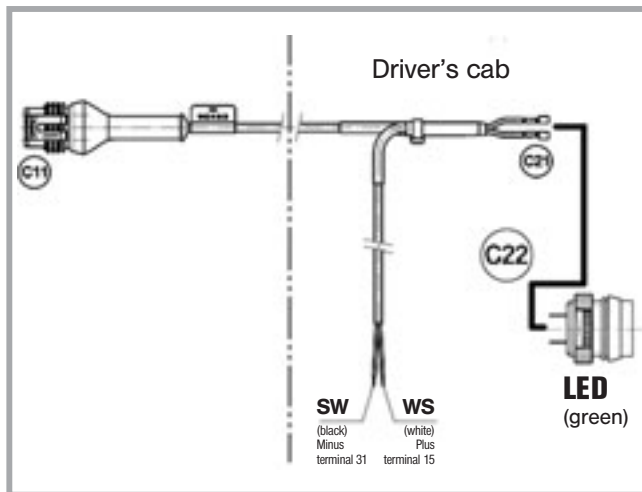
1.2.1 Installation of the indicator

- Remove the plastic cover (**K**) at the interface to the first fuse.
- Slide the sensor (**S1**) with the fastening flange and fitted O-ring onto the interface and tighten the fastening screw with **5 Nm**.
- The sensor is already pre-set.
- Ensure axial play ($\pm 25^\circ$) of the trailer coupling.

Lay the sensor cable with plastic clips in such a way that the cable harness is **not** scraping or kinked (do not lay too tightly, take account of axial motion of the trailer coupling).

The plug **C1** should be led to the cross bar and connected there with the plug **C11** of the extension cable.





1.3 Laying the extension cable to the driver's cab

- Connect the sensor plug **C1** with the plug **C11** of the extension cable and fix to the cross bar using cable binders.
- Lay the cable along the frame in accordance with the vehicle manufacturer's guidelines into the driver's cab.
- Lay and fix the cable in such a way that it cannot scrape or kink.

1.4 Green LED indicator

- Mount the indicator LED at a suitable position in the field of vision of the driver. For this purpose drill a hole $\varnothing 16.2 + 0.5$ in the instrument panel.
- Screw the indicator tight on to the instrument panel.
- Lay the extension cable with the plug **C21** under the instrument panel and secure, connect plug **C21** with indicator **LED C22**.

1.5 Connection to the vehicle electrical system (C2)

- Connect the black cable (earth) with terminal 31
 - Connect the white cable (+24 Volt) with terminal 15
- The connection must be protected by a 2A fuse**

1. Installation

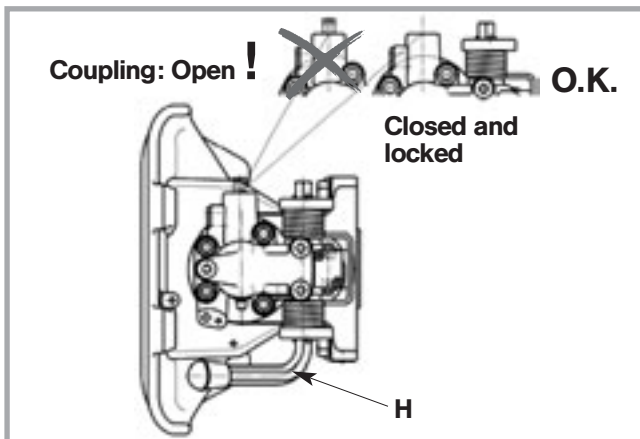
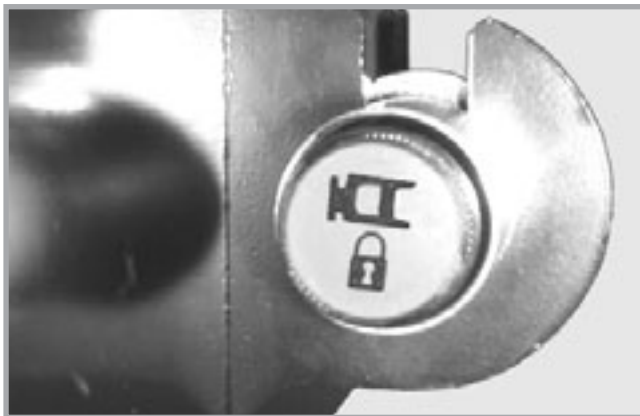


1.6 Function check

The sensor is mounted on the coupling.

- Sensor **S1** detects the coupling status of the trailer coupling – open or closed.
- The green indicator LED is mounted in the field of vision of the driver. It is connected to the sensor by the extension cable.
- All of the plugs **C1/C11** and **C21/C22** are connected
- Control voltage 24V/DC is present when ignition is switched on:
SW = black minus at terminal 31
WS = white plus at terminal 15
with a 2A blade-type fuse (DIN 72581-3)
- **When the coupling is closed and locked, the LED indicator must light up green. If not, the sensor setting may have to be readjusted as described in section 3.2**

Then carry out the function check again.



2. Operation (hitching and unhitching)

2.1 Remote indicator

- When hitching and unhitching, the applicable regulations must be observed.
- The remote indicator shows the coupling status of the trailer coupling. If the indicator is lighting in green, the coupling is closed and locked
- The remote indicator does not indicate whether the towing eye is actually coupled.
- The remote indicator checks the coupling status with one sensor.

Attention!

If the coupling status is not clear, the driver is obliged to check it at the coupling.

Check:

After every hitching operation, the correct coupling status in accordance with the regulations must be checked.

The control pin must not project after hitching.

If the control pin is projecting, the unit is not correctly hitched. Check by feeling when it is dark.

RISK OF ACCIDENT!

The trailer may not be moved in this condition!





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