

DYNAMIC SERIES

Part D: CRS receiving unit



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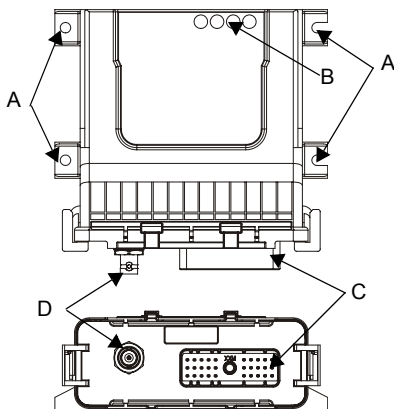
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LICRSE00-02



A0LI BR01D0016

1 Description



A	mounting holes
B	LEDs
C	plug
D	antenna connector

The receiving unit communicates with the machine through the STOP outputs (STOP_1 and STOP_2), the SAFETY outputs (SAF_1 and SAF_2) and the CAN network (of which it is a slave node).

2 Technical data

Power supply	8-30 V $\overline{=}$
Power supply protection	1.35 A (30 V $\overline{=}$)
Antenna	dedicated
Rated current of outputs STOP_1 and STOP_2	8 A (30 V $\overline{=}$)
Rated current of output SAF_1	8 A (30 V $\overline{=}$)
Rated current of output SAF_2	3 A (30 V $\overline{=}$)
Housing material	PBT (30% fg) and PA6 (30% fg)
Protection degree	IP65 (NEMA 4)
Dimensions	153 x 148 x 55 mm (6.1 x 5.9 x 2.2 In)
Weight	0.5 kg (1.1 Lb)

3 Plates

The receiving unit has two plates.

Plate	Position	Content
radio remote control identification plate	It is on the receiving unit casing, on the connector side	Radio remote control serial number, bar code (S/N) and manufacturing year.
technical data plate	On the left side of the casing	MODEL, TYPE and main receiving unit technical data, marking and possible radio remote control marks.

4 Technical data sheet

The technical data sheet contains the wiring diagram showing the connection between the receiving unit and the machine.

It also contains the transmitting unit configuration and shows the matching between commands sent and machine functions/movements.

The technical data sheet must be filled in, checked and signed by the installer, who is responsible for a correct wiring.

The technical data sheet must be kept together with this manual (always keep a copy of this data sheet for administrative purposes).

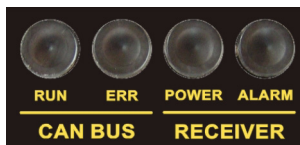


The wiring of the receiving unit outputs must always reflect the wiring indicated in the technical data sheet.

5 Light signals

The CRS receiving unit has four LEDs:

- RUN is green
- ERR is red
- POWER is green
- ALARM is red



1. RUN LED (green)

The RUN LED indicates the status of the communication between the receiving unit and the CAN network Master node.

The RUN LED ...	Meaning
... is off	The receiving unit does not work as a CAN network node.
...blinks	The receiving unit does not send commands in the CAN network.
... is on	The receiving unit is working correctly as a node in the CAN network.

RUN LED signals reflect the guidelines of the CANopen®, standard, CiA recommendation 303-3.

2. ERR LED (red)

The ERR LED indicates the status of the CAN communication.

The ERR LED ...	Meaning
... is off	The CAN communication is working correctly.
...blinks	The CAN communication does not work correctly.
... is on	No CAN communication.

ERR LED signals reflect the guidelines of the CANopen®, standard, CiA recommendation 303-3.

3. POWER LED (green)

The POWER LED indicates the status of the receiving unit and of the radio link.

The POWER LED ...	Meaning
... is off	The receiving unit is switched off.
...blinks	Radio link has been built.
... is on	No radio link.

4. ALARM LED (red)

The ALARM LED warns about anomalies in the receiving unit.

The ALARM LED ...	Meaning
... is off	The receiving unit works correctly.
... blinks once	Error on the STOP outputs.
... blinks twice	Error on the SAFETY outputs.
... is on	The receiving unit does not work correctly.

6 Malfunction signalled by the receiving unit

Use the light signals on the receiving unit to identify the radio remote control malfunction.

If the problem persists after the suggested solution has been carried out, contact the support service of the machine manufacturer.

Signals	Possible reason	Solutions
The POWER LED is off.	The receiving unit is switched off.	Correctly plug in the connecting plug and power on the receiving unit.
The POWER LED is on.	No radio link.	Bring the transmitting unit close to the receiving unit.
The ALARM LED blinks once.	Error on the STOP outputs.	Correctly plug in the connecting plug. Make sure that the STOP outputs are wired correctly.
The ALARM LED blinks twice.	Error on the SAFETY outputs.	Correctly plug in the connecting plug. Make sure that the SAFETY outputs are wired correctly.
The ALARM LED is on.	The receiving unit does not work correctly.	Contact the support service of the machine manufacturer.
The RUN LED blinks.	The receiving unit does not send commands in the CAN network.	Contact the support service of the machine manufacturer.
The ERR LED blinks.	CAN communication error.	Contact the support service of the machine manufacturer.