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IDENTIFICATION SYSTEMS

DESCRIPTION

Used with an appropriate Balogh control board, the ERO 80 transceiver enables to:

- read/write to/from electronic tags (types: OC/OD, OF/OFR, OMA, GIE)

or

- dialogue with another transceiver.

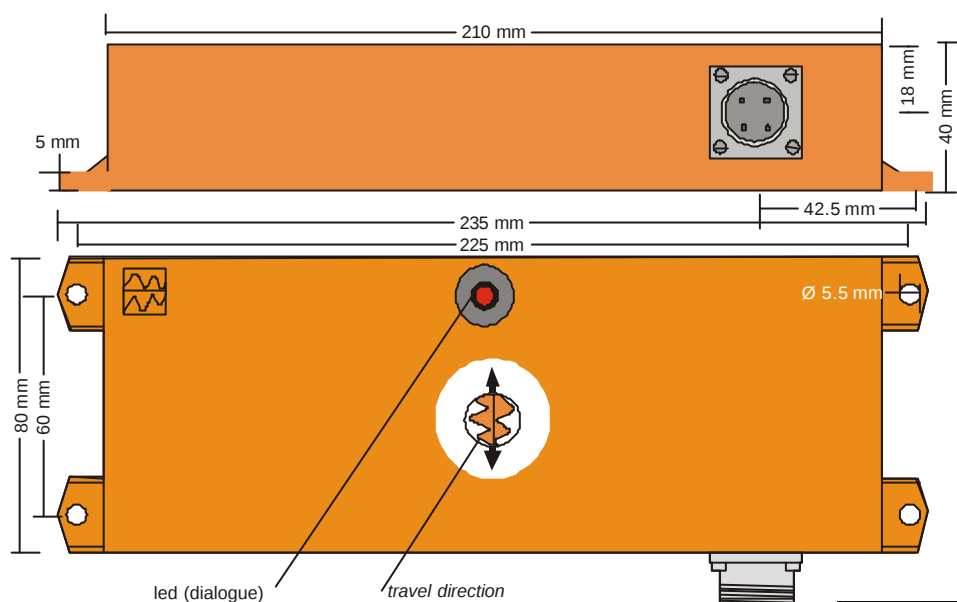


ERO 80: standard version (with FRB plug; the female socket is delivered jointly)

ERO 80/1251: special version (with a Souriau 8 LTO 11 8 98 PN plug; the HE 308 66T 11 98 SN 7M female socket is delivered jointly).

DATA FOR ASSEMBLY

Connection to the control board through a shielded cable (maximum cable length: 300 m).



FRB	8 LTO	Assignment
1	F	+U power supply
2	E	TR output
3	A	TR input
4	B	0 V power supply

TRANSMISSION CHARACTERISTICS

Note : the length of zone LSr is only valid when taking account of mentioned below angular and lateral offsets.

ELECTRONIC TAGS							TR
OF/OFr		OC/OD		OMA/GIE		OMA	ERO
93 83	85 56	85 56	93	851	931 831	861	80

Recommended range	Sr	mm	40	44	72	48	64	40	44	320
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STATIC transmission zone	Nominal range	H	mm	100	110	180	120	160	100	110	800
	Typical length at Sr	L	mm	180	220	360	240	320	200	240	1600
	Typical width at Sr	I	mm	120	150	160	150	160	120	140	180

DYNAMIC transmission zone	Minimum length at Sr	LSr	mm	140	200	220	160	200	120	200	1200
	Maximum lateral offset	DSr	mm	37,5	40	40	37,5	37,5	30	30	80
	Maximum angular offset		°	20							

GENERAL CHARACTERISTICS

Operating temperature	-25°C to +70°C
Weight	500 g
Protection rating	IP 65
Casing	Rilsan

ELECTRICAL CHARACTERISTICS

Power supply	24 to 48 VDC
Current consumption	150 mA

ASSEMBLY RECOMMENDATIONS

The ERO 80 transceiver is not to be mounted directly in a recessed metal cavity.

A minimum metal-free clearance surrounding the transceiver is required:

- a > 100 mm
- b > 50 mm

To avoid interference between 2 transceivers, there must be a minimum space between them:

