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IDENTIFICATION SYSTEMS

R/W head

ERO 80/225

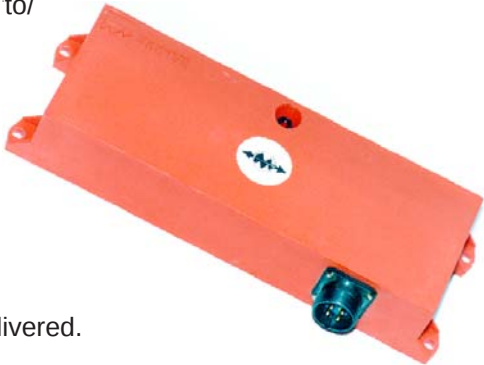
DESCRIPTION

The ERO 80/225 is an R/W head intended for reading /writing data to/ from OMA, GIE, OF(R) Series electronic tags.

It features a long transmission zone.

It has to be connected to an appropriate Balogh control board.

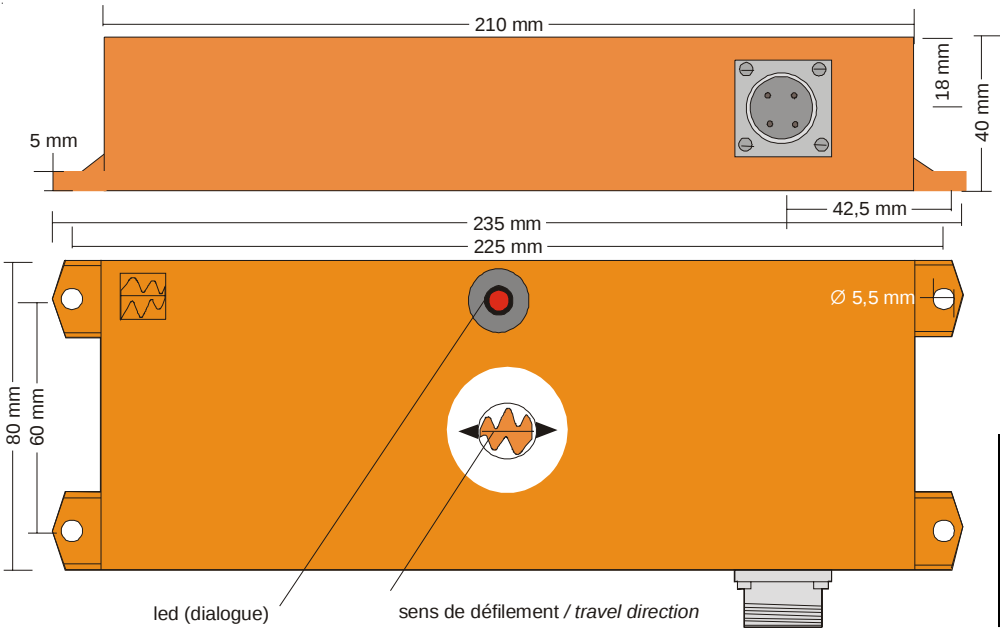
It is fitted with an FRB connector; the cable connector is jointly delivered.



DATA FOR ASSEMBLY

Connection to the control board through a shielded cable.

Maximum cable length: 300 m.



Pin nr	Assignment
1	+U supply
2	Output
3	Input
4	0V supply

C
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		Tags						
		OMA/GIE 831 or 931		OF(R) 83 or 93		OF(R) 85 or 56		
Parameters		MIN	TYP	MIN	TYP	MIN	TYP	Unit
Functional	S _n "nominal" range	80		100		140		mm
	S _r recommended range	0.4 x S _n						mm
	LS _r transmission zone length @Sr	200 ¹⁾		200 ²⁾		250 ³⁾		mm
	D _{ét} distance between tags	600		400		1 000		mm
Test conditions: Tag and head in a non-metallic environment. Max. allowed offsets for LSr to reach the published value at least: • Angular: ± 20° • Lateral: (mm) : ¹⁾ ±20 ²⁾ ± 30 ³⁾ ±40								
Electronics	Parameters		MIN	NOM		MAX	Unit	
	Ambient temperature		- 25		+70		°C	
	Supply direct voltage (ripple included)		21		24/48		54 V	
	Supply current @ 24VDC				150		mA	
	Protection against reverse polarity				yes		-	
	Transmission frequency				1.5		MHz	
Packaging	Casing		PA 12 (30%GF)				-	
	Weight		725				g	
	Protection rating		IP 65				-	

The ERO 80/225 head is not to be mounted directly in a recessed metal cavity.

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

a > 50 mm

b > 50 mm

To avoid interference between two heads, there must be a minimum space between them:

ERO 80/225

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> 2 000 mm

ERO 80/225