

DESCRIPTION

R/W head intended for reading /writing data to/from OMX Series electronic tags; it has to be connected to an appropriate Balogh control board (suffix: X).

It is fitted with a Hypertac keyed male 4-pin receptacle; the cable connector is jointly delivered.



DATA FOR ASSEMBLY

Assembly: using four M5 screws.

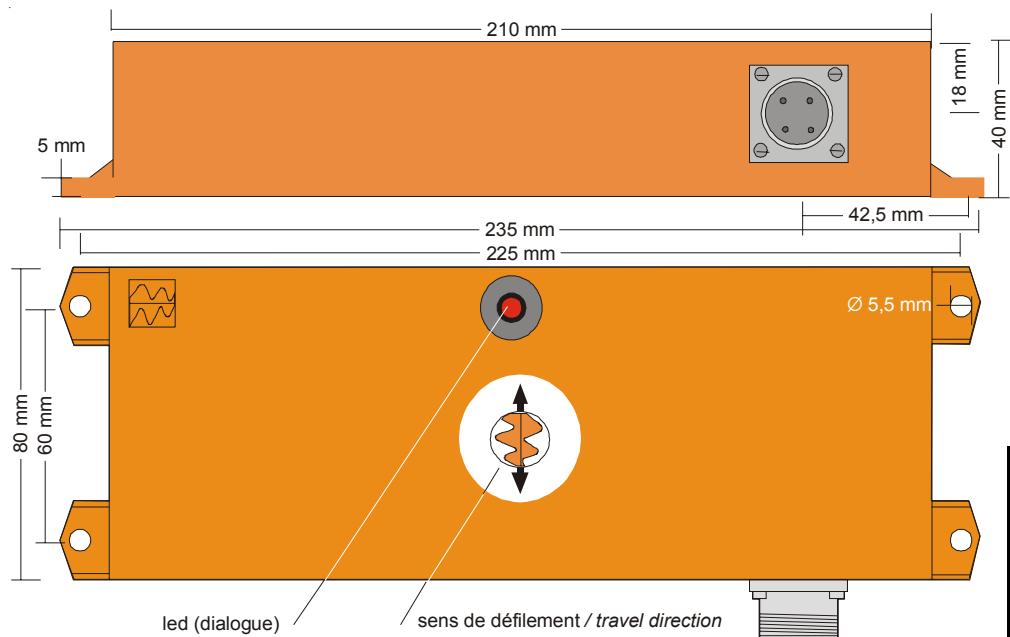
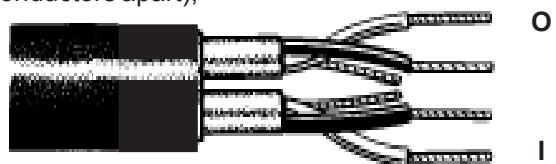
Connection:

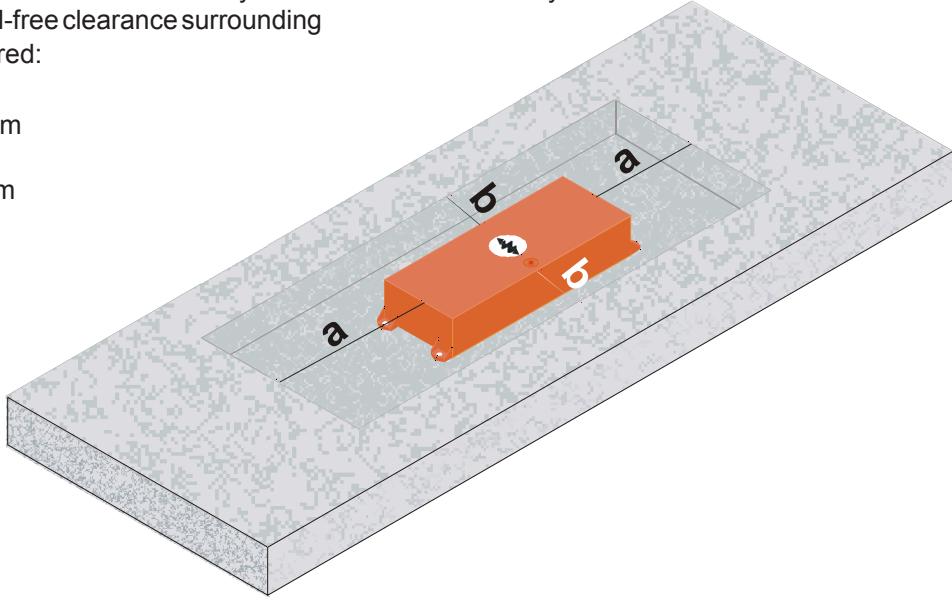
Use a cable with the following characteristics:

- Max.length: 50 m;
- Overall max. capacity between conductors and related shields: 14 nF.

Cable assembly:

- Twin Shielded and Twin Twisted pairs (Output and Input conductors apart);
- Cable outer diameter: 6 to 7 mm;
- Conductors max. diameter: 1,8 mm;
- Both shields must be connected to the 0V.



CHARACTERISTICS	Functional	Tags																	
		OMX 931			OMX 851			Unit											
		MIN	TYP	MAX	MIN	TYP	MAX												
S _n "nominal" range		70			100			mm											
S _r recommended range		from S _{min} to 0.4 x S _n						mm											
S _{min} operation lower limit		5			8			mm											
LS _r transmission zone length @ S _r max		110*			140**			mm											
D _{ét} distance between tags		240			330			mm											
Test conditions:																			
- head and tag in a non-metallic environment;																			
- max. allowed offsets to have the LS _r published value guaranteed:																			
• Angular: ± 20°				* ± 20 mm															
• Lateral :				** ± 25 mm.															
Electronics	Parameters	MIN	AVG		MAX	Unit													
	Ambient temperature	- 25			+70	°C													
	Supply direct voltage (ripple included)	21	24		29	V													
	Supply current @ 24VDC		160			mA													
Packaging	Protection against polarity reversal		yes			-													
	Casing	PA 12 (30%GF)				-													
	Weight	450				g													
Recommendations		Protection rating																	
The head is not to be mounted directly in a recessed metal cavity.																			
A minimum metal-free clearance surrounding																			
the head is required:																			
a > 100 mm																			
b > 50 mm																			
																			
To avoid interference between two heads, there must be a minimum space between them along the travel direction:																			
