



# Transceiver TLE-18/B

## Identification Systems

### Reference

## TLE-18/B Transceiver



### Description

The TLE-18/B Transmitter/Receiver used with a BALOGH Control Board allows reading and/or writing of OMA Read/Write TAGS or Reading of OF Read-Only TAGS.

The TLE-18/B Transceiver can be linked with most Balogh Controllers:

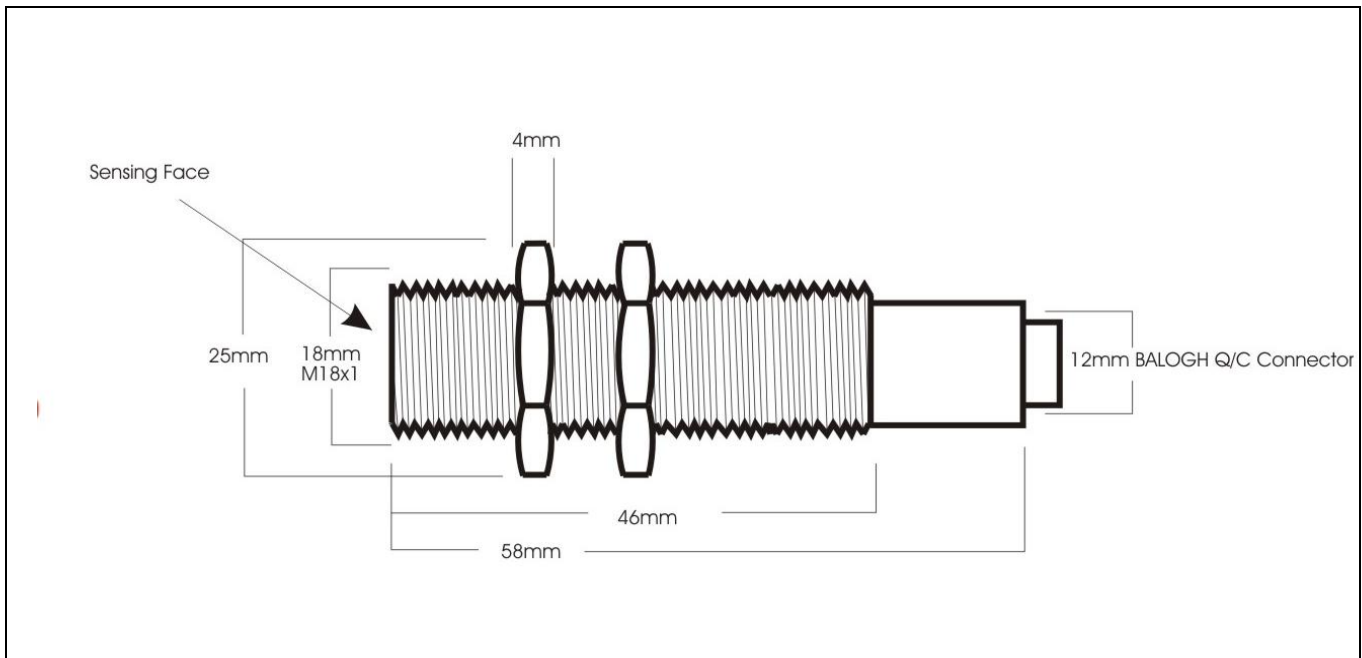
BIET-170 Ethernet Interface, MELS-400 4 Channel Serial Interface, BIDN Devicenet Interface, BIDP Profibus Interface, BI-1746 A/B Backplane Interface, BIGE Genius Interface, MELS-30 Serial MultiProtocol Interface, CEPR-96 Serial Programmable, etc.

### Connection

Pin	Assignment
1	+24 V
2	output from
3	input into
4	0 V supply



### Dimensions



## Transmission Characteristics – TLE-18 Transceiver

Transceiver Transmission Zone					
		OF-12	OF-18		
Maximum Range	H	mm	9	10	
Typical Height	Sr	mm	3.6	4	
TAG Tilt	<°	°	20°		
Distance Between Transceivers (D)			1200*	1200*	1200*
Distance Between TAGS			1200*	1200*	1200*

**Note: \*Ranges may vary based upon application environment**

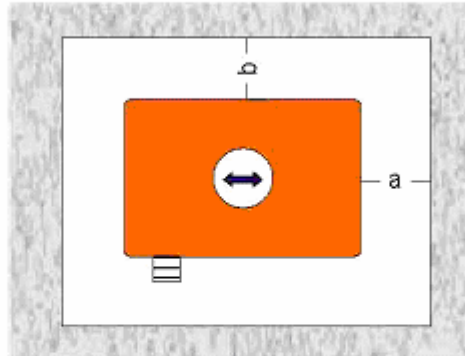
Specifacations	TLE-18 Transceiver
Supply Voltage (<10% Ripple)	24 VDC
Protection Against Reverse Polarity	Yes
Protection Against Short Circuit	Yes
Supply Current @24VDC	150 mA

Mechanical Characteristics	
Ambient Operating Temperature	-25°C to +50°C
Weight	27g
Protection Degree	IP 65-67
Max. Length to Control Board	50m
Mounting Distance Side by Side	150mm
Mounting Distance Face to Face	135mm

A  
S  
S  
E  
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B  
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Y  
R  
E  
C  
O  
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D  
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T  
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S

The transceiver is not to be mounted directly in a recessed metal cavity. A 30-mm metal-free clearance surrounding the transceiver is required:

$$a = b = 30 \text{ mm}$$



To avoid interference between two transceivers, there must be at least 1,200 mm in-between (from end to end):

