



Identification Systems

Transceiver ERP-30/PUR

Logic .ID Series

Description

The ERP-30/PUR Transceiver has a built-in antenna A (omni-directional).

Connected with a BALOGH control board, it enables at a 125-kHz carrier frequency to:

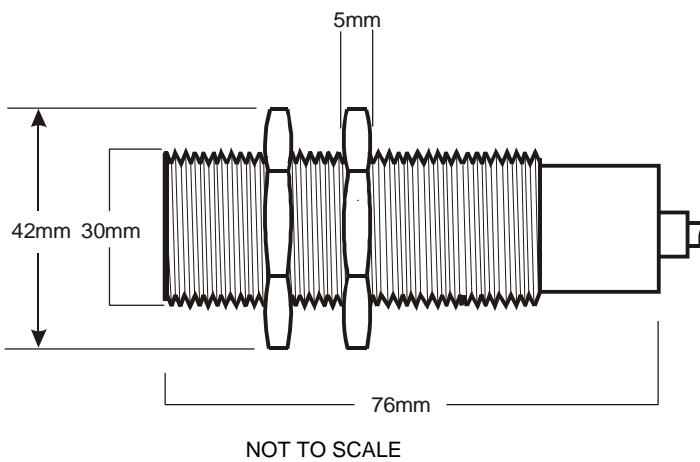
- Read/Write the OP series TAGS (112-byte Read/Write TAG).

Layout

The ERP-30/PUR - Control board is connected by a shielded cable (maximum cable length – 300m)

Warning: Multiplexing several ERP-30/PUR's together can result in damaging hardware.

If the ERP-30/PUR is mounted outdoors, the plug must face downward.



PIN	Assignment
1	+24V
2	TR output
3	TR Input
4	0V
5	Shield

Transmitting Characteristics

TAG Read/Write Ranges

			OP-20/DISC		OP-30/DISC		OP-30/PVC		OP-50/DISC		OP-ISOCARD	
			Read	Write	Read	Write	Read	Write	Read	Write	Read	Write
Maximum Range	H	mm	30	20	30	12	30	18	38	28	35	25
Recommended Range	Sr	mm	12	8	12	4.8	12	7	15	11	14	10

General Characteristics

Operating Temperature	-25°C to +70°C
Weight	180g
Protection Rating	IP 65
Packaging	Aluminum

Electrical Characteristics

Power Supply Voltage	24 VDC
Range of Voltage	21 to 29 VDC (including ripple)
Current Consumption	40 mA

Mounting Hints

The Transceiver ERP-30/PUR can be mounted in a recessed metal cavity as long as the read face is flush mounted or protruding. Examples of acceptable clearances can be seen in the figure below:

To avoid interference between 2 Transceivers, there must be a minimum space between them: About 150mm.

