

# BALOGH



## MODUL-R® MRER-21

### Identification - Coding

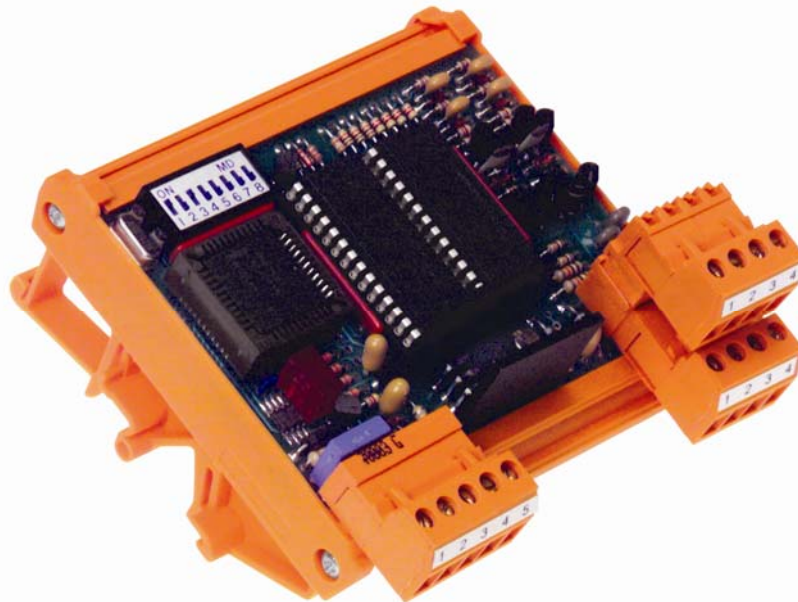
#### Reference: MRER-21

Each module supports two independent transceiver or serial connections.

A=	OMA	64, 2K, or 8K byte Read/Write TAG
P=	OP	112 byte Read/Write TAG
X=	OMX	High Speed 8K & 32K byte Read/Write TAG
E=	GIE	512, 2K, 8K byte Read/Write TAG
R =	OIR	32K & 64K Byte Read/Write TAG
F=	OF or OFR	7 byte Read-Only TAG
L=	OL or OLR	2 byte Read-Only Extended Range TAG

### Description

MODUL-R® slave module permitting communication with the BALOGH line of electronic RFID TAGS. The MRER-21 can control (2) channels simultaneously and independently. Provides communications channel to a central processor MRUC-20 or CEPR-96 (with CAN bus daughter board) with speeds to 300K baud. (8) MRER-21 modules (each controlling 2 channels) can be connected to each of (2) CAN networks supplied by the central processor (MRUC-20 or CEPR-96 with CAN Bus daughter board).



Revised: December 16, 2003

Characteristics	Symbol	Unit	
I/O power supply	Ucc	V	24 VDC (less than 2% ripple)
Intrinsic consumption	Io	mA	60 mA
Protected against polarity reversal	-		Yes
Ambient Temperature	T	°C	-20° to 70°C
Protection Degree	IP	/	65
Weight	M	g	170 grams

## Connections

The MRER-21 has (8) DIP switches to configure the Slave Number of the module on the CAN network.  
 Switches 1-4 Slave Number (0 to 15)  
 Switches 5-8 Not Used (OFF position recommended)

B1 Terminal	Assignment
1	0VDC
2	CAN Low
3	CAN Shield
4	CAN High
5	+24VDC

B2 Terminal	Assignment
1	O on Trans (0VDC) or 0 Volt serial line.
2	E on Trans or Rx on serial line
3	S on Trans or Tx on serial line
4	V on Transceiver (+ 24VDC)

B3 Terminal	Assignment
1	O on Trans (0VDC) or 0 Volt serial line.
2	E on Trans or Rx on serial line
3	S on Trans or Tx on serial line
4	V on Transceiver (+ 24VDC)