

**BALOGH**

# MODUL-R<sup>®</sup> MRUC-20

## Identification - Coding

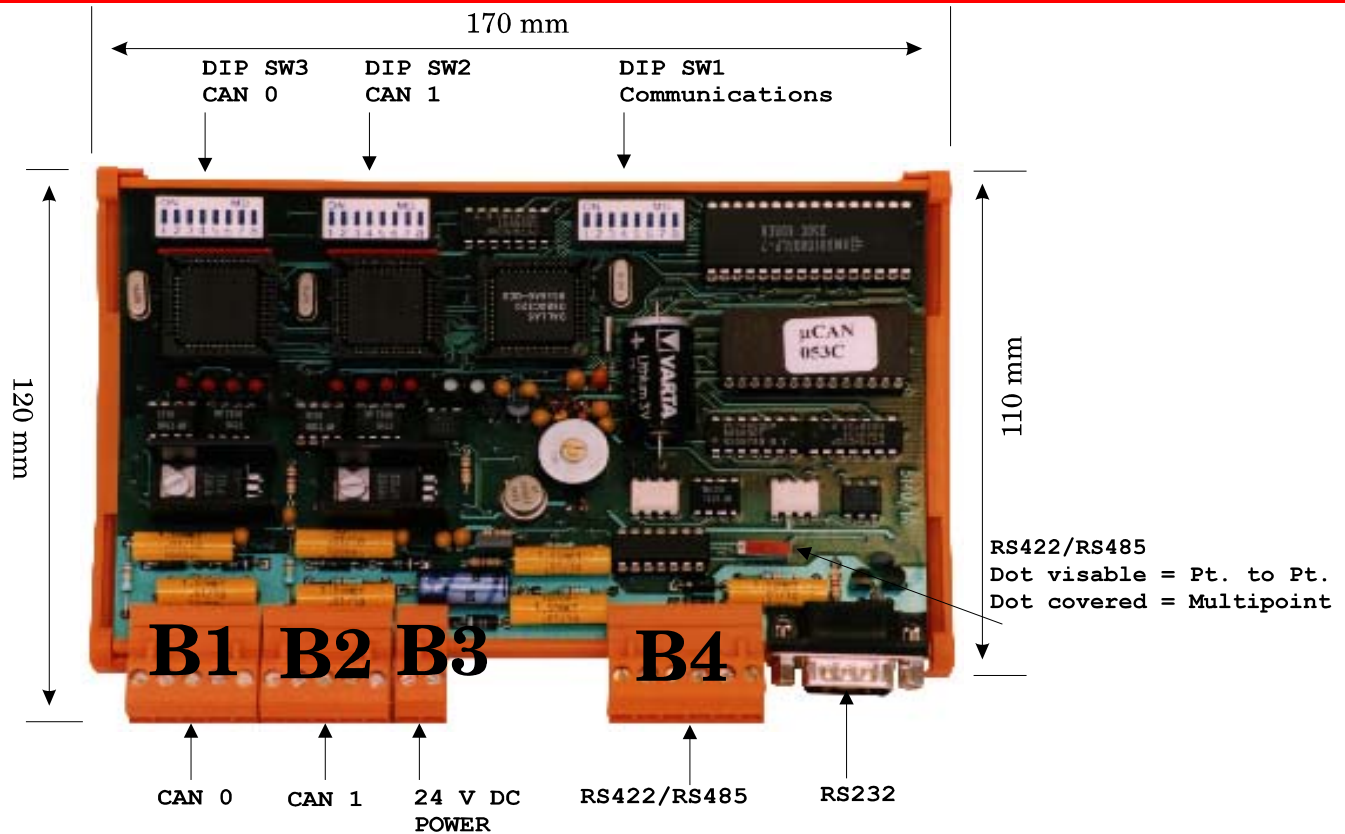
### Characteristics

- Central Processor Unit for the BALOGH Modul-R<sup>®</sup> CAN-Bus (300K baud) RFID System.
- 1270 program lines in 1 program or up to 5 separate programs (1 supervisor and 4 application) running independently in mono task or multi task modes.
- The MRUC-20 can support up to 2 independent CAN network channels each accepting up to 8 transceiver modules (MRER-21 (each MRER-21 can support 2 transceivers)) or 16 parallel I/O modules (MRES-22 (16 inputs & 16 outputs)) or a combination of both types.
- The MRUC-20 has 2 serial ports, (1) RS-232 and (1) RS-422 which can be used in supervisory (programming) mode or multi-protocol mode (DF1<sup>®</sup>, ModBus<sup>®</sup>, JBUS<sup>®</sup>, UNITELWAY<sup>®</sup>, 3964R<sup>®</sup>)
- Din-Rail mountable.
- 32K of User RAM.

Characteristics	Symbol	Unit	MRUC-20
Supply Power ( $\pm 10\%$ )	Ucc	V	24 VDC (ripple <2%)
Consumed Current	Io	mA	150
Inverse Polarity Protected	-		YES
Ambient Temperature	T	C°	-20°C to +70°C
Degree of Protection	IP		00
Weight	M	g	380
Number of CAN Busses			2
Bus Speed		KBds	300 K baud
RS-232 Serial Line			Multi-protocol
RS-422/RS-485 Serial Line			Multi-protocol
Maximum Distance of each CAN bus		M	100
Programming Lines			1270
Programming Zones			4+1 programmINIT
Number of Slave Modules			16MRES or 8MRER

Revised July 1, 2002

## Dimensions



## Connections - Terminal

B1 (CAN Bus 1) Ph		B2 (CAN Bus 2)	
Connection		Connection	
1	-0V DC MODULAR	1	-0V DC MODULAR
2	CAN Low	2	CAN Low
3	CAN Shield	3	CAN Shield
4	Can High	4	Can High
5	+24 VDC MODULAR	5	+24 VDC MODULAR
B3 – (Power) Ph		B4 (Serial RS-422/RS-485 Ph)	
Connection		Connection	
1	-0 VDC	1	Rx+
2	-0 VDC	2	Rx-
3	+24 VDC MODULAR	3	Tx+
4	+24 VDC MODULAR	4	Tx-
		5	OVDQUARTO
		6	Chassis Shield
9 Pins Male – Ph			
Connection			
1	Rx		
2	Tx		
3	OVDQUARTO		
4	Chassis Shield		
5			

\*Note: For RS-485 Jumper pin #1 to pin #3 and Jumper pin #2 to pin #4