Control Board

MELS-400

Identification Systems

Reference: MELS-400/****
Each module supports up to four transceivers.

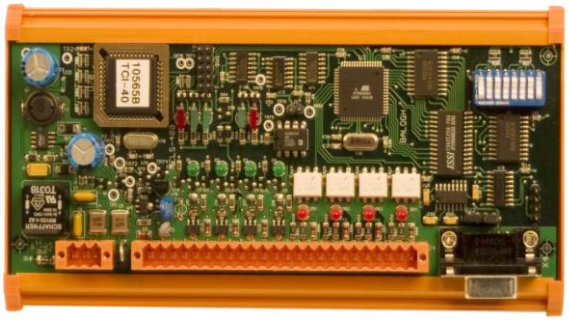
A =	OMA	64, 2K, & 8K bytes Read/Write TAG
P =	OP	64 byte & 96 byte Read/Write TAG
X =	OMX	High Speed 8K & 32K byte Read/Write TAG
E =	GIE	512, 2K, 8K byte Read/Write TAG
F =	OF or OFR	7 bytes Read-Only TAG
IC =	TAI	512 Bit Read/Write TAG
IF =	TAF	2K Byte Read/Write TAG
I =	OIR	64K Byte Read/Write TAG
L =	OL or OLR	2 Byte Read-Only Extended Range TAG

Reference

Depending on the TAG to be read or written to different firmware can be implemented. An extra letter determines the software: e.g. MELS-400/ A is meant for OMA TAG operation.

Description

The MELS-400 Control Board is a slave interface with an RS-232 Serial Link working with an ASCII protocol. The MELS-400 has the ability to control up to four BALOGH Transceivers and supplies each of them with power.



The MELS-400 also has a simplistic command set which includes Read, Write and Fill commands. Dip switches control the MELS-400 Baud Rate. The MELS-400 also has 11 status LED's,

4 - Channel Activity
3 - Active Channel Status
2 - Discrete Output Status
1 - Module Status
1 - Power

The MELS-400 also has a second RS-232 port used for flash upgrading. Along with the second serial port there are 2 additional input and 2 additional output connections.

Characteristics at 25° C	Symbol	Unit	
Power Supply (+/- 1%)	Ual	VDC	24 (<5% ripple)
Current Consumption	Io	mA	100
Serial Connection			2
No. Transceivers			4
No. of Outputs			0
No. of Inputs			4
Ambient Temperature		°C	0-50 °
Baud Rate		KBds	9600 to 115,200