

MORSE components production code radiomodems profi narrowband

RADIO CHANNEL AND CASE VERSION:

SCC with Cannon DSUB9		- C	
SCC with screw terminals		- S	
SCC not used		- N	
Frequency step	12.5 kHz	- 4	
	10.0 kHz	- 3	
	6.25 kHz	- 2	
Channel bandwidth	25.0 kHz	- 2	
	12.5 kHz	- 1	

For equipment series: **MR400**
MR300
MR160
MD160

CASING

4xM4 screws or 2x DIN rail clips	- M	
Short, for DIN rail only, obsolete	- S	
RF power 25W	- P	

Base Tx frequency, MHz	
Half-duplex radio- R	
Full-duplex radio- D	

MORSE PROFI

DIGITAL AND ANALOG CHANNELS:

number of Analog outputs	
number of Analog inputs	
Analog input and output 0 - 20 mA	
An input 0 - 1240 mV, An output 0 - 20 mA - V	
Analog I/O not used	
number of Digital outputs	
number of Digital inputs	
Digital I/O used	- D
neither Dig nor An I/O are used	- N

MR425.0M24C-N-485I-232-E-D22A22

SETTING OF MODULE POSITION:

(from bottom edge of case)

		SCC0	SCC1	SCC2 SCC3	ETH0	Digital I/O + Analog I/O
Line type:	red green	232	232	232		
	→ RS232					
optically separated:	orange green	232I	232I			
	→ RS232					
	orange yellow	485I	485I			
	→ RS422/485					
LED - RxD TxD		N	N	N		
	unused position					
					E	
					N	
						N

LED colours tell
the interface type

Comment - radiomodem is the DCE equipment - both data output RS232 pin and LED are labeled RxD.

Base frequency labelling options:

MR: 428.2 = base freq. 428.2 MHz, both Tx and Rx
MD: 155.0 / 159.6 = base freq. Tx = 155.0 MHz, Rx = 159.6 MHz
159.6 / 155.0 = base freq. Tx = 159.6 MHz, Rx = 155.0 MHz

Typical example of bandwidth/freq. step:

before 12/2008	after 12/2008
MR425.0M2C-...	MR425.0M24C-...
MR425.0M1C-...	MR425.0M14C-...

The standard freq. step is 12.5 kHz, exceptionally 6.25 kHz or 10 kHz.

Examples:

MR428.0M24C-N-N-232-E-D22A22

= MORSE half-duplex radio modem, base frequency 428,000 MHz, bandwidth 25 kHz, freq.step 12,5 kHz, casing with flanges for screws and/or DIN rail clips, SCC with Cannon connectors, SCC2 - RS232, SCC3 - RS232, Ethernet, Digital input 2x, Digital output 2x, An input 20mA 2x, An output 20mA 2x

MR425.0M14S-N-485I-232-E-N

= MORSE half-duplex radio modem, base frequency 425,0 MHz, bandwidth 12,5 kHz, freq.step 12,5 kHz, casing with flanges for screws and/or DIN rail clips, SCC connectors with screw terminals, SCC1 - RS485, optically separated, SCC2 - RS232, SCC3 - RS232, Ethernet