

NMT TRANSPONDERS FOR COMTECH DEVICES (HMS, ComMon, SMC)



- Adding monitoring function to the Comtech manufactured devices
- Management of return path ingress control switches
- Headend controlled upstream level
- Helps to keep OPEX low

GENERAL DESCRIPTION

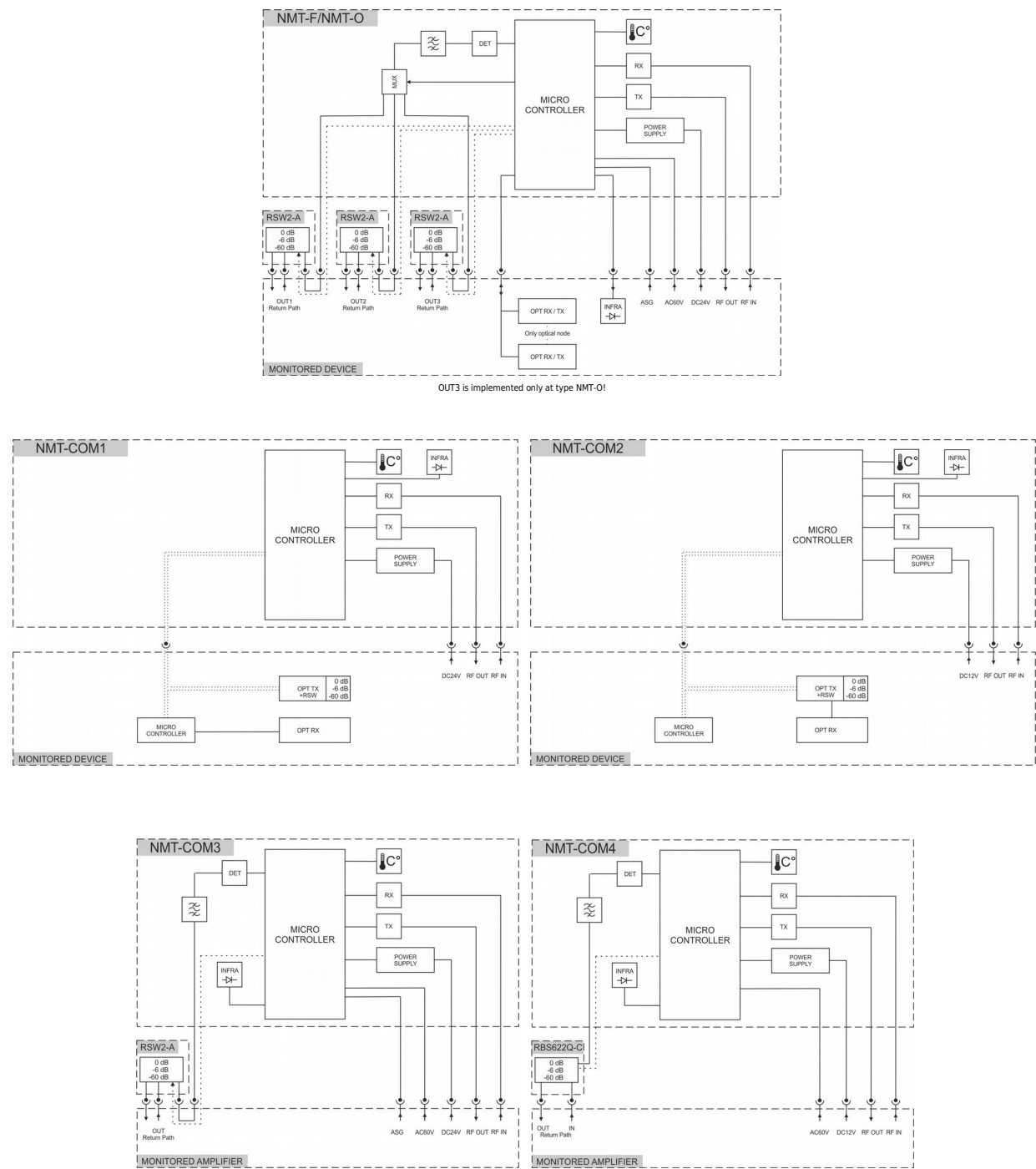
The NMT-xxx transponder series are designed to complete the COMTECH manufactured nodes and amplifiers with monitoring function. All the transponder types are able to measure ingress level in the return path and control the unique 3 or 4 state automatic ingress switch. Depending on the ordered software the transponders can work in COMTECH, HMS or SMC monitoring systems. All the managed variables as well as the alarm numbers can be read out by the IR1 Zero-EMI wireless handheld unit, further NMT-COMx types can be managed via a PC's USB port.

TECHNICAL SPECIFICATIONS

Forward path RF parameters	NMT-FE/OE	NMT-COM1C	NMT-COM2C	NMT-COM3C	NMT-COM4
Input level range [dBμV]		35...80			40...80
Frequency range [MHz]		65...301			85...88, 106...114
Frequency raster [kHz]		50			100
Reverse path RF parameters					
Output level range [dBμV]		84...110			80...120
Level accuracy [dB]		±2			±3
Receiver frequency range [MHz]		5...65			18...28
Frequency raster [kHz]		50			100
Bandwidth [kHz]			400		
Modulation			FSK ±67kHz		
General parameters					
Baud rate [baud]			38400		
Power supply voltage [VDC]	24	24	12	24	12
Maximum power consumption [W]			≤1.5		2.7
Operational temperature range [°C]			-40...+60		

Specifications are subject to change without notice!

BLOCK DIAGRAMS



Specifications are subject to change without notice!

ORDERING INFORMATION

N	M	T	-	X	E	-	X
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Type of the monitored device	
F	MTxxxx, MBxxxx, LExxxx, MO1004, MO1002
O	MO1003

Communication protocol	
C	Comtech (Default)
H	HMS
S	SMC

N	M	T	-	C	O	M	X	C	-	X
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Type of the monitored device	
1	MO1001, MO1201
2	MDO801
3	LA836R-C, DA836x-C, LA1000

Communication protocol	
C	Comtech (Default)
H	HMS
S	SMC

N	M	T	-	C	O	M	4	-	X	X	X	-	X
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Type of the monitored device	
4	LA834R-H

Communication protocol	
C	Comtech (Default)
H	HMS

Receiver frequency range	
85	85...88MHz
108	106...114MHz

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