



CREOWAVE
SOLUTIONS FOR EXTREMES

TETRA REPEATER CWR 410 TO 2



CWR 410 TO 2 Specification

Frequency Band	410–415 MHz / 420–425 MHz
Maximum RF Output Power	+17 dBm (with 1 carrier) +14 dBm (with 2 carriers) +11 dBm (with 4 carriers) +8 dBm (with 8 carriers)
Adjacent Channel Power max.	-36 dBm
Output Power Adjustment Range	40 dB, step 0.5 dB
Automatic Level Control Range	40 dB
Gain max.	70 dB
Gain Adjustment Range	30 dB, step 0.5 dB
Gain Ripple (over frequency band)	±1 dB
Gain Accuracy (over temp. range)	±1 dB
Maximum Operational RF Input Power	-15 dBm
Maximum RF Input Power Without Damage	+15 dBm
VSWR (50 Ω)	1.5 max.
Power Supply	90–264 VAC adapter
Power Consumption	< 40 W
Indicator LED	Green light for normal operation Orange light for RF OFF mode Red light for alarm condition
Controls (PC or NMS)	RF On/Off Maximum RF Output Power RF Gain
Alarms	
• Any failure	HW relay alarm
• PSU failure	PC or NMS alarm
• RF failure	PC or NMS alarm
• Temperature	PC or NMS alarm
Connectors	
• 90–264 VAC adapter	IEC
• RF	2 x N (f)
• Control	4 x RJ45 Ethernet
Mechanical Dimensions	380 x 380 x 210 mm (W x H x D)
Weight	20 kg
Operational Temperature Range	-40...+45°C (+65 °C upon request)
Operational Environment	Outdoor IP66
Options	Integrated GSM Modem Network Management SW (NMS) External Battery Backup Units

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