

400 MHz TETRA CHANNEL SELECTIVE REPEATER

- **HIGH SENSITIVITY**
- **HIGH DYNAMIC RANGE**
- **SINGLE CHANNEL OPERATION**
- **COMPACT SIZE**

This repeater is intended for use in 400 MHz outdoor TETRA systems. It is a compact and reliable unit and it is especially advantageous to use it in villages, or open fields where the field strength is weak. It is a cost effective solution to cover areas, which cannot be covered economically with base stations. It is a very economical solution for single channel communication, can be installed easily, can be monitored and set by remote control software.

Electrical characteristics:

Frequency Band Downlink	420 - 425 MHz (receiving of BTS) ***
Frequency Band Uplink	410 - 415 MHz (receiving of MS) ***
Frequency Bandwidth	60 kHz
Mode of Operation	channel selective duplex (1 ch)
Max. ALC level	30 dBm
Linear Output Power Downlink / Uplink	+ 22 @ meets with ETSI
ICP3	+ 48 dBm
Nominal Gain	70 dB
Gain Flatness within band	±1 dB typical, max. ±3 dB
Input Noise Figure	< 4 dB
EVM	4 % typ. (ETSI regulation < 10%)
Harmonics	According to the ETSI regulation
Spurious Radiation	According to the ETSI regulation
Local Leakage	According to the ETSI regulation
RF Connectors	N-female
Supply Voltage	100 - 240V AC / 50 – 60 Hz
Power Consumption	60 W
Weight	11,5 kg
Operating temperature range	0°C to 45° (optional – 20°C to + 55 °C)
Cooling	Convection
Wired control	Local RS232 + sum-alarm (dry contact)**
Remote Wireless Control	Dial Up GSM modem and/or automatis SMS function
Application	Indoor (or optional outdoor)
Dimension	300 x x 300 x 192 mm

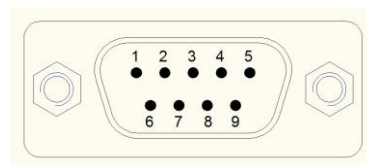
(*) Specifications are subject to change without notice.

(**) Sum-alarm sets open contact between RS232 pin 4 and 7 in case of failure as follows:

(***) Other TETRA Bands available upon request

Status	PIN 4 and 7
Overheating	Open
PLL lock error	Open
RF overdrive	Open
Chassis intrusion	Open
Switched off	Open

ANY OTHER CASE: THE CLOSED CONTACT BETWEEN PIN 4 AND 7





BRTM15

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Outline dimensions (mm):

