



400 MHz TETRA CHANNEL SELECTIVE REPEATER

- **HIGH SENSITIVITY**
- **HIGH DYNAMIC RANGE**
- **19" RACKMOUT DESIGN**
- **RC & SUM ALAM**
- **SNMP SUPPORT**

This repeater is intended for use in 400 MHz indoor TETRA systems. It is a compact and reliable unit and especially advantageous to use it in villages, or open fields where the field strength is weak. Hosted in a modern, rackmount box, it can easily be installed together with other rackmount BHE repeaters like FM and DAB repeater completing the tunnel solution. Both units can be monitored and set by remote control software and sum-alarm and and the communications can be relaized through RF modem or wired SNMP.

Electrical characteristics:

| | |
|---------------------------------------|---|
| Frequency Band Downlink | 390 – 395 MHz** |
| Frequency Band Uplink | 380 – 385 MHz** |
| Frequency Bandwidth | 60 kHz |
| Mode of Operation | channel selective duplex |
| Max. ALC level | 30 dBm |
| Linear Output Power Downlink / Uplink | + 22 @ meets with ETSI |
| ICP3 | + 48 dBm |
| Nominal Gain | 70 dB |
| Gain Setting | 70 to 40 dB in 1 dB steps |
| 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 | 100-240 VAC / 50 – 60 Hz |
| Power Consumption | 60 W |
| Weight | 10 kg |
| Operating temperature range | 0°C to 45°C |
| Cooling | Forced Air |
| Wired control | Ethernet SNMP control + Sum-alarm*** |
| Remote Wireless Control | Optional: Dial Up GSM modem and/or automatis SMS function |
| Application | Indoor |
| Dimension | 19" 3U Rackmount |

(*) Specifications are subject to change without notice.

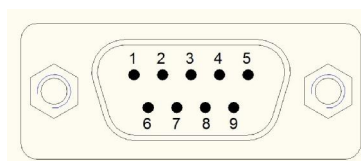
(**) Other TETRA band available

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

| Status | DSUB-M PIN 4 and 7 |
|-------------------|--------------------|
| Overheating | Open |
| PLL lock error | Open |
| RF overdrive* | Open |
| DL Power Alarm | Open |
| Chassis intrusion | Open |
| Switched off | Open |

ANY OTHER CASE: CLOSED CONTACT BETWEEN PIN 4 AND 7

*after 30 minutes of continuous RF overdrive status





BRTM17

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Outline dimensions (mm) BRTM17:

