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**ACTIVE CABLE MONITOR MODULE**

- **CABLE BREAK DETECTION**
- **BUILT-IN HIGH POWER RF RELAY**
- **HOT REDUNDANCY WITH AUTOMATIC CABLE SELECTION**
- **FULLY WEB BASED CONFIGURABLE VIA TCP/IP**

The module BUXM11 can be used either as a receiver or as a transmitter unit. The integrated high sensitive radio modem allows monitoring the connections within a complex communication network. It provides the exact attenuation by measuring constantly the RSSI values. The other monitoring parameters like temperature, sense of input signals, power voltages are also available via built in web based interface (TCP/IP) with any of commercial web browser.

Placed in a modern rackmount box, these units can be combined with BHE rackmount FM, DAB, VHF repeaters fulfilling the various communications need of special places like tunnels or underground stations.

The module can be DC powered by an external power supply or via the coax cable.

**Electrical characteristics:**

Frequency (Programmable)	433-435MHz
Frequency step	40kHz
Modulation	GFSK
RX sensitivity	-112dBm @12dB SINAD
Abs max. input power	+20dBm (receiver mode)
TX output power	-10...+17dBm, programmable@0dB attenuator
Input/Output attenuator	31dB in 1dB step programmable
Power supply	+12...+15VDC
Supply current	170mA @ +12VDC
Impedance	50Ω
External inputs / outputs	2 digital data input / 2 digital data output (optocoupled) programmed by factory 1 alarm output (open collector)
Control and monitoring	via TCP/IP, built-in web server

**General parameters:**

DC Connector	MSTBA 2.5/3-G-5.08 or equivalent
RF Connector	N – female
LAN Connector	RJ 45
Status indicator	Double colour LED on front panel (RED@alarm, GREEN@normal operation)
Monitoring	Temperature, Input/Internal voltages, Input RSSI, Device detection via LAN
Operating temperature	-20°C ... +60°C
Dimension	115 x 99 x 26 mm

**Outline drawing:**

