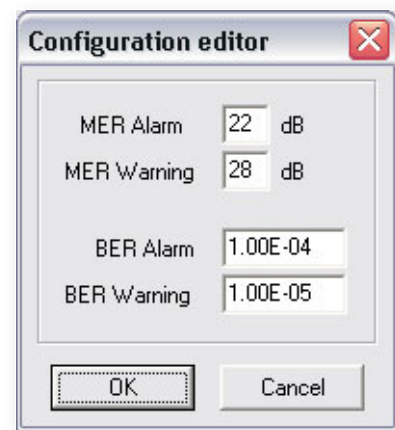# Monitoring Systems: PROWATCH *TELMO*

*The **PROWATCH TELMO** is a remote monitoring system intended to analyse digital TV (DTT) signal quality at the transmitter location. It can be programmed to generate alarms if the measurents results are out of a given range.*



The **PROWATCH TELMO** is composed of a compact module powered at 48 V which is easy to integrate in the existing infrastructure of any transmitter, repeater or gap-filler. The **PROWATCH TELMO** is available both in rack for mat as well as in a compact box for wall mount on DIN rail.
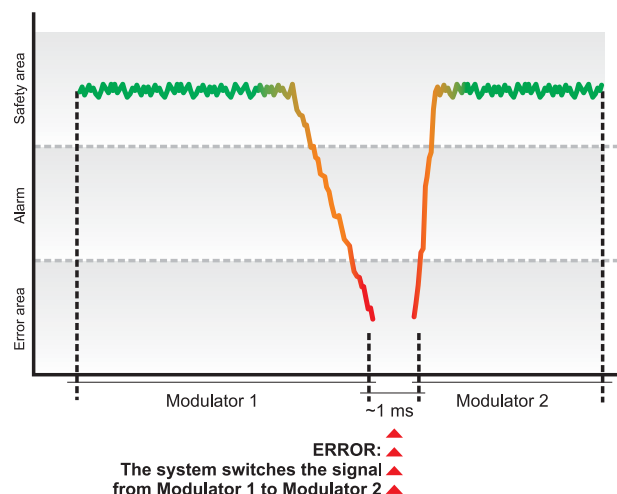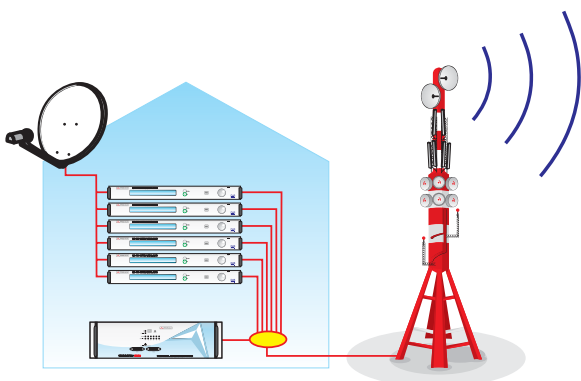


The **PROWATCH** product family is made of various models that can be tailored to meet specific customer monitoring requirements. The *TELMO* is a product that can be embedded inside the transmitter system.

Since **PROMAX** launched the **PROWATCH** *DEIDE* we had a growing presence in the market of remote monitoring systems with a product range designed to satisfy our customer's requirements in connexion with TV and radio broadcast.
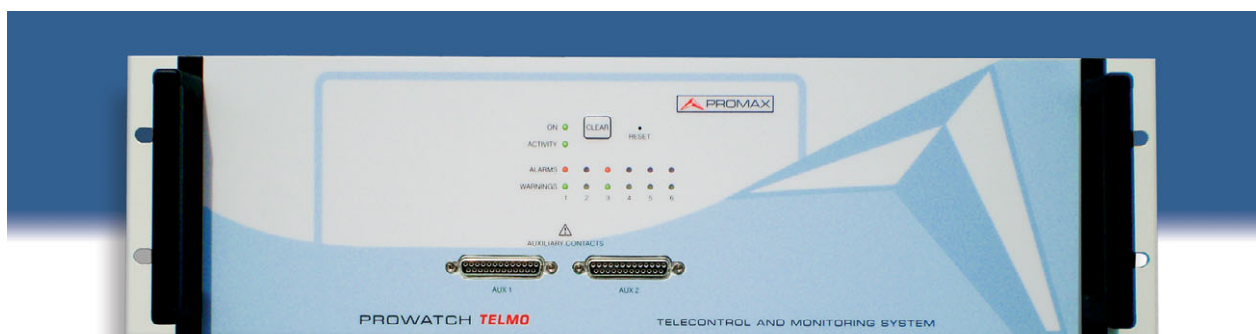
These products have a focus on remote measurements and surveillance turn key solutions for digital and analogue television and radio signals.

The **PROWATCH TELMO** basic system has been created for remote measurements of Digital Terrestrial TV (DTT) signals. It is installed at the transmitter location to monitor the quality of this type of signals. It generates alarms based on the different types of impairments detected.

From an electronic point of view, the unit is based on the most advanced circuits for DTT signal tuning, demodulation and measurement. Such design guarantees processing speed, stability and measurement reliability.





**ERROR:**
**The system switches the signal from Modulator 1 to Modulator 2**

## Monitoring Systems: PROWATCH *TELMO*

**SNMP**

The unit, once it has been configured, works as an autonomous element. Configuration can be modified by remote control making it not necessary to install a permanent user interface (display, keyboard…)

**PROWATCH** *TELMO* includes a serial port for data transmission to the remote monitoring location. A simple protocol is used to obtain information on system status, alarms generated or configuration data.

**PROWATCH** *TELMO* can monitor up to 6 digital TV multiplexes and generate WARNINGS or ALARMS depending on signal level, VBER or MER readings. It also has two DB25 connectors with internal 70 VDC relays that can be programmed for instance to switch a faulty modulator in the transmitter to a back up unit.



**Detection points editor**

| Channel 1 | Channel 2 | Channel 3 | Channel 4 | Channel 5 | Channel 6 |
|---|---|---|---|---|---|
| ☑ Active | ☑ Active | ☑ Active | ☑ Active | ☑ Active | ☑ Active |
| Frequency | Frequency | Frequency | Frequency | Frequency | Frequency |
| 655,25 MHz | 663,25 MHz | 671,25 MHz | 679,25 MHz | 687,25 MHz | 695,25 MHz |
| Alarm Power | Alarm Power | Alarm Power | Alarm Power | Alarm Power | Alarm Power |
| -47 dBm | -47 dBm | -47 dBm | -47 dBm | -47 dBm | -47 dBm |
| Warning Power | Warning Power | Warning Power | Warning Power | Warning Power | Warning Power |
| -37 dBm | -37 dBm | -37 dBm | -37 dBm | -37 dBm | -37 dBm |

OK      Cancel