



TETRA OPTICAL MASTER REPEATER

- SUPPORT OF ONE SLAVE
REMOTE SUPERVISION OF SLAVE UNIT
WDM TECHNOLOGY (Optical Wavelength Division Multiplexer)
AUTOMATIC OPTICAL POWER CONTROL
SUPPORTS BOTH MEDIUM & MACRO SLAVES

This TETRA master repeater is intended for use to convert signals from RF to optical and supply the remote optical slave repeaters. Typical applications are: long tunnel sections, in-building systems, large area outdoor coverage and long distance feed areas where the cost of the traditional RF cable is more expensive than the economical optical fiber solutions.

Using WDM (Wavelength Division Multiplex) technology the uplink and downlink signals are going on the same optical cable. The same optical cable is used for the remote supervision and alarm handling functions, which results in a reliable control of communication link. The connected slave (including its optional external alarms) and the master unit can be controlled through the master unit with a direct connection or by the help of one GSM modem. The uplink and downlink gain can be set individually.

Electrical characteristics:

Table with 2 columns: Parameters and Base Station Site Master REPEATER. Rows include Frequency Band Uplink, Frequency Band Downlink, Nominal Gain, Gain Setting, Pass Band Ripple, Gain Stability, Optical Module Maximum RF Input Power, Optical loss between master and slave, Optical Connectors, RF Connectors, Power Supply, Power Consumption, Weight, Size, Operating Temperature Range, Storage Temperature Range, Local Control, Remote Control, Alarm out, Degree of Protection.

(*) Other TETRA, VHF bands are also possible.
(**) with extra fan.
Specifications are subject to change without notice.



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Outline dimensions (mm):

