

**TETRA WDM OPTICAL
MINI SLAVE REPEATER**

- **1W MAX RF ALC OUTPUT POWER**
- **HIGH SENSITIVITY**
- **HIGH DYNAMIC RANGE**
- **WAVELENGTH DIVISION MULTIPLEX TECHNIQUE**
- **ATEX COMPLIED ENCLOSURE**

This repeater is intended to use for TETRA in or outdoor optical fibre systems. The pressure proof enclosure especially advantageous to use in buildings where explosive environmental conditions must be taken account like refinery, chemical plant or any other place where gas, vapour or mist presents.. The base station side optical master unit can communicate through optical fiber with slave unit on repeater side, which provides high flexibility in system build-up. This very economical solution can be installed easily, and the repeater can be set and monitored using the bundled remote control software.

Electrical characteristics:

Frequency Band Uplink	380 – 385 MHz *
Frequency Band Downlink	390 – 395 MHz *
Nominal Gain	50 dB
Gain Setting	25 to 50 dB adjustable in 1dB step
ICP3 Downlink	> 50 dBm typ.
Linear Output Power	+24 dBm ** @ -36dBm IM
Max. ALC Level	+30 dBm **
Uplink Path Noise Figure	< 5 dB @ max. gain
Pass Band Ripple	< ±1.5 dB max.
Gain Stability	< ±1.5 dB (within operating temp. range)
Optical Module Maximum RF Input Power	+5 dBm
Optical Connectors	FC/APC, connects via cable gland
RF Connectors	N-female, via cable gland
Power Supply	100-240 VAC / 50-60 Hz, via cable gland
Power Consumption	< 50 W
Weight	25 kg
Size	415 x 335 x 181 mm
Operating Temperature Range	0°C to +45°C
Storage Temperature Range	-30°C to +70°C
Local Control	RS-232
Remote Control	Through optical fibre with master unit
Application	Zone1 and Zone 2

(*) Other standard TETRA bands are also possible.

(**) According to the customer request other downlink RF power level version also possible.

Specifications are subject to change without notice.

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Outline dimensions (mm):

