

## 2W Power Limiter for TETRA band

***proATT 1211 2W Power Limiter for TETRA band is an innovative transmission power limiter to be used in vessels operating in explosive atmospheres (ATEX).***

proATT 1211 allows ship owner and naval architect to gain ATEX conformance for their patrol boat when operating the ship's radio transmitters in hazardous areas declared as explosive atmospheres.

proATT 1211 operation is simple. In normal operating mode TETRA transmission is pass through without attenuation. In ATEX operating mode TETRA transmission is attenuated to 2W peak level to comply with regulations and received TETRA signal is fed through unattenuated.

The change of proATT 1211 operating modes is activated remotely by an external switch. To maximize reliability, active operating mode is indicated by LED light and to maximize the failsafe operation maintaining the normal operating mode does not require external power.

The innovative proATT™ technology minimizes the losses in normal operating mode and ensures unattenuated reception of TETRA signals even in ATEX operating mode. Thus it maintains the overall performance of the communication system.

### Prevent ground loops, increase performance, less troubles

- easy to use and install
- Enables the ATEX conformity of a vessel
- failsafe operation

### Electromagnetic modelling services fine-tunes performance

Use our advanced proEMS™ electromagnetical simulation, modelling, analysis and measurement services to create a complete 3D-electromagnetic environment of the ships' external structures. This way the optimum location for each antenna with the least interference can be found and verified. The proEMS™ services are useful for any size of boat or ship and will be tailored for each customer separately.



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### Technical features

**Product description:**

Automatic full duplex 2W RF power limiter for TETRA band

**Power supply:**

+24VDC external power required

**Attenuator features:**

Frequency range: 380MHz - 420MHz  
Max power handling: 25 W

**Normal mode:**

Insertion loss/attenuation (RX/TX):  
< 0.3 dB  
Return loss: <-22 dB

**ATEX mode:**

Attenuation (TX): 7 dB  
Attenuation (RX): 7 dB  
Return loss: <-22 dB

**Connectors:**

N-female connectors  
2-wire cable for remote control  
(+24VDC signal to activate ATEX mode)

**Approvals:**

Meets IEC 60945 specification

**Environmental:**

Case IP65  
Operating temp: -20° - +60° non condensing

**Dimensions:**

Height: 32mm  
Width: 57mm  
Length: 150mm  
(with connector cables 300mm)  
Weight: 200g

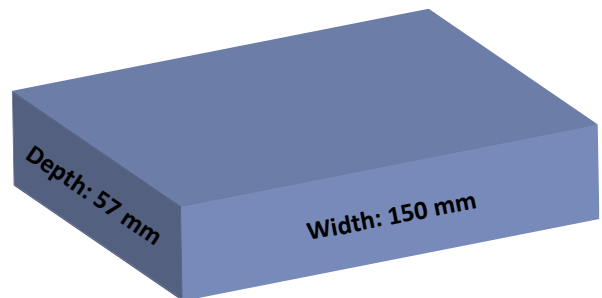
**Order code:**

FIL1211: proATT 1211 2W Power Limiter for TETRA

**Delivery time:**

3 months

**Dimensions:**  
Height: 32 mm



### Connection example

