



Indoor Coverage for 400 MHz TETRA and Tetrapol Applications

## Product Classification

**Product Type** RF repeater unit

## General Specifications

**Antenna Interface at Repeater** SMA Female  
**Indoor Antenna** Optional, not included  
**Optional Antenna Gain** 2 dBi  
**Optional Antenna Type** Omni  
**Optional Modem Type** External GSM  
**Performance Note** Values typical, unless otherwise stated  
**Supervision/Control Option** Heartbeat via SMS | Remote control

## Dimensions

**Height** 270 mm | 10.63 in  
**Width** 240 mm | 9.449 in  
**Depth** 45 mm | 1.772 in  
**Optional Antenna Length** 165 mm | 6.496 in

## Electrical Specifications

**Gain, typical** 70 dB  
**Gain Adjustment Range** 30 dB  
**License Band** TETRA | Tetrapol  
**Local Power** 6 Vdc  
**Mains Power** 100–240 Vac  
**Return Loss** 10 dB

# 7625001 | MR418 415-420 425-430

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<b>Power Consumption</b>	25 W
<b>Electrical Compliance</b>	ETSI TS 101 789-1

## Electrical Specifications, Rx (Uplink)

<b>Operating Frequency Band</b>	380 – 385 MHz   410 – 415 MHz   415 – 420 MHz
<b>Output Power @ One Carrier</b>	19 dBm
<b>Output Power @ Two Carriers</b>	16 dBm

## Electrical Specifications, Tx (Downlink)

<b>Operating Frequency Band</b>	390 – 395 MHz   420 – 425 MHz   425 – 430 MHz
<b>Output Power @ One Carrier</b>	19 dBm
<b>Output Power @ Two Carriers</b>	16 dBm

## Environmental Specifications

<b>Operating Temperature</b>	+5 °C to +40 °C (+41 °F to +104 °F)
<b>Ingress Protection Test Method</b>	IEC 60529:2001, IP30

## Packaging and Weights

<b>Weight, net</b>	3.2 kg   7.055 lb
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

