



PICoPOC

Low power POCSAG repeater

PICoPOC is a POCSAG signal repeater designed to ensure indoor coverage continuity of your alert network.

PICoPOC is a POCSAG repeater developed and manufactured by **TPL Systèmes** for people encountering problems of coverage of their alert network inside buildings and houses.

PICoPOC enables to transmit again automatically the POCSAG messages that it receives and which are addressed to pager(s).

Very user friendly, **PICoPOC** repeater will be set up in only a few seconds, once programmed. It only takes to plug it to a 220V power source through the included power supply and to hang it on the wall thanks to its installation kit.

PICoPOC is synthesized and is available in more than 15 frequency bands (VHF and UHF).

PICoPOC has got 3 functioning modes

that can be programmed through a customization software:

- Full repetition: all RIC codes and POCSAG messages received will be transmitted again.

- Repetition by list: only preprogrammed RIC codes and related POCSAG messages will be transmitted again.

There's a possibility to have a preprogrammed list up to 90 RIC codes.

- Repetition by prefix: only RIC codes beginning by preprogrammed prefix(es) and their related POCSAG messages, will be transmitted again. Possibility of having a list up to 10 RIC codes prefixes; example: 0241XXX ou 024XXXX etc...

PICoPOC is supplied with an antenna 1/4 wave and is equipped with a TNC antenna connector. This antenna can be

replaced by an external antenna with a higher gain.

Moreover, **PICoPOC** is powered through a 220V/5V AC adapter which can be connected to the mini USB output, placed on the front case.

A « test » button enables to make a test of sending a message to a predefined pager number. A long pressing on this button enables to send this test message

in a loop in order to carry out an assessment of the coverage.



Features

Repetition features

- 3 repeating modes :
 - Full repetition
 - Repetition on addresses list (up to 100 entries)
 - Repetition on addresses prefixes (up to 10 entries)
- Sub-addresses management
- Alphanumeric / numeric / tone only messages management
- Anti ping-pong management, enabling to avoid that PicoPOC transmits again messages from another PicoPOC.

Main features

- Power supply with 220V/5V AC adapter, mini-USB cable
- Consumption : 90mA in Rx, 140mA in Tx
- Programming by customization software in French and English
- Aluminium case
- Lateral fixing brackets included
- Weight: 300 grs
- Dimensions : 100 x 100 x 30 mm
- Operating temperature and humidity from -10°C at +60°C, 95% at 40°C
- Storage temperature and humidity from -20°C at +85°C, 95% at 40°C

POCSAG features

- Frequency: all VHF frequencies, UHF frequencies on demand for bands:
 - 135 - 174 MHz
 - 438 - 472 MHz
 - 868 - 870 MHz
- Channel spacing: 12.5/20/25 KHz
- System modulation: NRZ
- Transmission speed: 512bps, 1200bps or 2400bps

Rx

- Sensitivity at 512bps : -130dBm
- Selectivity: 60dB (±25KHz)
- Inter modulation protection : >60 dB
- Frequency stability: ±2 ppm

Tx

- Power : +14dBm (25mW)
- Deviation frequency: ±2.25KHz (12.5KHz); ±3.6KHz (20KHz); ±4.5KHz (25KHz)

Package

- PicoPOC is supplied with:
 - A 220V / 5V USB adapter
 - An omnidirectionnal antenna reclining to 90°
 - 2 lateral fixing brackets

Accessories



AC adapter



1/4 wave antenna
Frequency on demand



Additional fixing brackets