

# **Operational Description**

## **TG480**

The TG480 is a fixed VHF Ground Station enabling radio communication in the VHF frequency range of 118.00MHz to 136.975MHz with aircraft. Up to 99 channels can be stored in the transceiver's core module. The TG480 can be used in airfields as a main communication transceiver or alternatively as a standby transceiver in airports.

The TG480 operates with either a 115V/230V AC, or 13.75V DC power supply. The unit automatically switches to DC voltage if the main power supply fails. The TG480 power output is adjustable up to 50 Watts. Either a dynamic or standard microphone can be used with the unit.

An RF Power Amplifier amplifies the core module's 5-7W output into the required final output. The signal goes through a reflectometer to detect forward and reflected power to alert a user if problems with the antenna or coaxial cable occur.