

2 OPERATING INSTRUCTIONS

2.1 Special Precautions to Prevent Accidents

When the unit is operated on AC mains voltage, the local safety regulations for mains operated equipment must be observed.

2.2 Setting-Up and Taking-Down, Connections

2.2.1 Mains Connection 220 V or 110 V $\pm 10\%$, 45 to 480 Hz

The mains input voltage is connected to the unit via a mains cable fitted with a mains plug on one end and an equipment connector on the other end. The unit is grounded via the ground lead of the mains connecting cable. The unit is set at the factory for 220 V AC mains input voltage, unless a different mains voltage setting is expressly ordered by the customer.

To convert the unit for 110 V AC mains input voltage, change over the jumpers accordingly on the terminal strip above the mains transformer in the Power Supply Unit SV 1275 and replace the 0.5 A fuse cartridge by a 1 A fuse cartridge.

These tasks must be carried out by properly trained persons.

2.2.2 Battery Connection 24 V DC (21.5 V to 30 V DC)

The battery input voltage is connected via a battery cable (see Section 1.2.2). The pinout on the battery plug is: A = positive, D = negative (the negative pole is connected to chassis potential or ground).

The unit can be operated optionally on a mains supply or on a battery. No external switch-over is necessary for this purpose.

2.2.3 Grounding

The unit should be grounded additionally via the grounding terminal on the front panel of the Power Supply Unit SV 1275. Only in this manner is grounding fulfilling statutory safety regulations ensured. RF grounding is established via the RF cable connections.

2.2.4 Antenna and Receiver Connections

The antenna and the receivers should be connected according to the symbolic signal routing marked on the front panels, using RF cables fitted with RF plugs.