



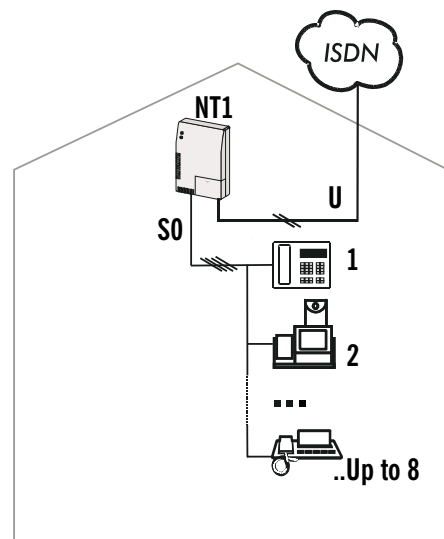
The Aethra NT1 2000 is used as a network termination for basic access to ISDN networks and features 2-channel transmission at 64 Kbit/sec and single channel transmission at 16 Kbit/sec (2B+D) on a single line pair. The NT1 2000 makes it possible to connect up to 8 ISDN terminations (TE) on the S/T interface, while the terminations themselves can be powered by a 220V internal power unit connected to the mains. The device is ETSI 300012 and CCITT I 430 compliant as concerns the technical specifications of the S/T interface (level 1), as well as TS 102 080 and CCITT G961 compliant as concerns the electrical specifications of the U interface.

FUNCTIONAL FEATURES

- ▶ Two-way transfer on the user's binding
- ▶ Two-way transfer (4 wires) towards the user installation (S/T interface)
- ▶ Remote power supply to the terminal from the exchange (in the case of AC power outage at the user's premises the remote terminal must be configured for telephone service)
- ▶ Transfer of 4.5 W from the 220V mains to the S/T interface for remote power supply to the terminals
- ▶ Galvanic insulation between the user line pair, S/T interface and the AC mains
- ▶ Protection against excess voltage on the user pair, the S/T interface and the 220V power supply

STANDARD FEATURES

- ▶ 2-wire interface on the U reference point; three types of connectors are available: RJ11 or RJ45 or screw connector.
- ▶ 4-wire user bus on the S/T reference point with impedance adaption
- ▶ Supports up to 8 NT1 terminals with 2 power supply modes (normal and emergency).



POWER SUPPLY

The NT1 has no batteries and is powered through internal mains power supply and from the power supplied by the network over the line pair.

The power absorption is limited to 1100 mW in the worst case scenario.

S INTERFACE

- ▶ Impedance adaption
- ▶ Full compliance with industry standards;
- ▶ Up to 8 terminals allowed on the S bus;
- ▶ Complete transparency of the test procedures from the exchange.

SWITCH FEATURES

The front panel has a removable cover to access switch settings for:

- ▶ SO bus configuration (short passive/extended);
- ▶ Terminating resistors for the S Bus (50Ω , 100Ω , ∞ settable).

TECHNICAL SPECIFICATIONS

- ▶ Dimensions (in mm): 155 x 105 x 50
- ▶ Weight: 0.55 kg. Circa
- ▶ Supply Voltage : 220 Vac + 10% - 15% 50 Hz
- ▶ Supply Current: < 100 mA
- ▶ Operation: compliant with ETS 300.019-1-3 Class 3.2
- ▶ Transport: compliant with ETS 300.019-1-2 Class 1.2
- ▶ Storage: compliant with ETS 300.019-1-1 Class 2.2
- ▶ U interface: compliant with TS 102 080
- ▶ S interface: compliant with ETS 300.012

CONNECTIONS

- ▶ So Bus: two modular connectors 8p/8c RJ-45 ISO8877 and 4-pole spring terminal block
- ▶ Line pair (U): RJ-11 or RJ-45 or 2-pole screw connector
- ▶ Mains Supply: internal power supply - bipolar cord

