TONDIS

- **Wide range of power supply options (12 V, 24 V, 48 V)**
- **Large spanned attenuation – 20 dB**
- **Switching semiduplex – full duplex modes (with footswitch)**
- **Transponder dialling can be incorporated**
- **Cooperation with standard telephone multi-line sets**

General Description

TONDIS dispatcher's telephone set with centralised dialling provides communication between one control unit and subscriber units (maximum 32).

Each subscriber unit can be integrated in 8 groups with random number of subscribers (< 32).

The control unit with subscriber units can be connected to a speaker box equipped by volume control and voice recording.
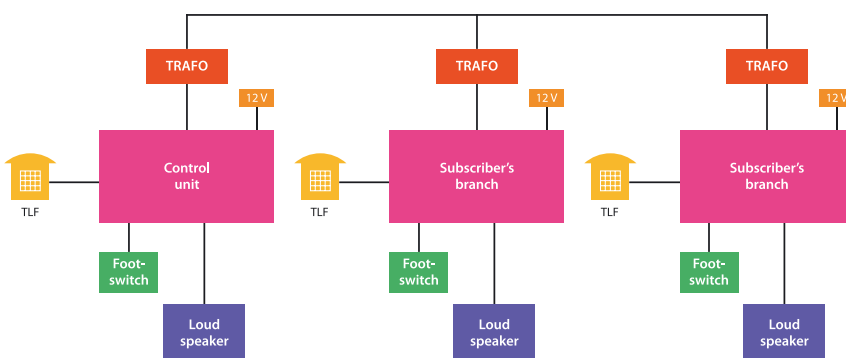
Basic Technical Description

For the control unit and the subscriber unit the construction design, mechanical design and the circuitry are the same. They differ only by inner DIP switches setting. They are capable to distinguish if the control unit or a subscriber unit is concerned and determine integration to groups and setting the physical calling number.

The control unit and the subscriber unit are controlled by a connected automatic telephone set or by a relevant set of established telephone subscriber set.

Dispatcher receives the incoming call by picking-up a receiver or by pressing the relevant speakerphone pushbutton.

Dispatcher can actively call the relevant subscriber station by himself.

While inactive the subscriber stations are in the high impedance state. When a receiver is picked up they are automatically connected to the line and the incoming call is received (call reception).

Block diagram

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Basic Technical Parameters

Power supply	12–48 V, the source must meet protective transformer standards
Max. power consumption	7 W
Input impedance	> 4 kΩ
Output impedance	> 4 kΩ
Output level (Speech signal and DTMF dialling)	0 dBm (+4 dBm/-3 dBm)
Input level of speech signal	min. -26 dBm
Input level of DTMF dialling	min. -20 dBm
Electric strength between live parts and ground	500 V, 50 Hz
Insulation resistance between live parts and ground	5 MΩ

For the control unit and the subscriber unit applies the same parameters.