Signalling Converter IDTMF / E&M

Basic parameters:

◆ 2 - fold signalling converter IDTMF / E&M

◆ input / output - IDTMF signalling

- 2-wire

- 4-wire

◆ input / output - E&M signalling – continuous or pulse

- 2 - wire

- 4 - wire

◆ PbX power supply - 42 to 65 V DC, current Imax = 1A

Note: When turning the device on, starting current is higher.

◆ Connecting the wires with connector

◆ Optional placement - wall or desk

◆ Optional placement to 19" rack 6U

◆ Impact of alternate signalling - in line with the resistance max. 3000 Ohm

(Or attenuation of 22 db)

Function and diagnostic:

Signalling converter IDTMF / E&M is used to connect the device with IDTMF signaling device to device with E&M signaling (vice versa).

ITX 482 37 (ITX 422 37) is connected also to PbX trunks with E&M signalling, line connection 2-wire or 4-wire.

There are protective components against overvoltage on tip and ring wires placed on the board. Voice cicuits are formed by active cradle which does not bring the attenuation into voice path. The device contains a DC / DC converter which generates the input voltage -48V into ± 12V, +5 V.

Function:

This device can be used as a converter from the DTMF signalling to E&M signalling. It can only cooperate with another ITX 482 37 or with any other Inoteska device supporting IDTMF signaling. The converter function is chosen by connecting and switching the particular switched on main card. Detailed meaning of switches is described below. E&M signalling can be continuous or pulse, dial can be DTMF or pulse E&M. Release can be done without acknowledgment, with acknowledgment or with self-acknowledgment for cooperation e.g. with UPN trunk.

Converting of IDTMF signalling to E&M