

CENTRAL ERT CONTROL STATION

- Low consumption
- Large range
- Negligible maintenance
- Ergonomical GUI



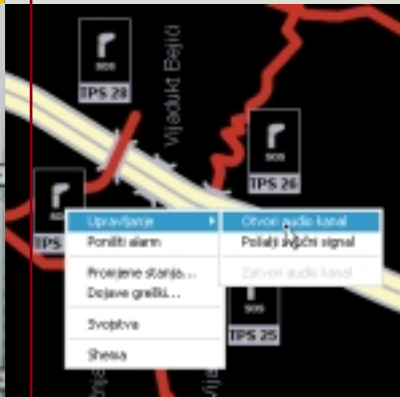
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CENTRAL ERT CONTROL STATION

Emergency roadside telephone (ERT) Central control station 96 TG 001 (CCS) is a main unit of the ERT system. It represents an interface between ERT pillars, handling desk or PC and public telephone network. ERT CCS is manufactured according to highest technology standards, having newest technologies implemented.



Two types of ERT pillars can be connected to CCS:

- > ERT pillars using copper cable as communication media,
- > ERT pillars connected through single mode optical fiber

There are two types of user interface available for ERT Central control station

- > standalone handling desk,
- > PC software (delivered with speakers and pre-amplified microphone).

Using of copper line ERT pillars gives a total system reach of up to 40 km through pupinized twisted pair cables.

By using of fiber optic ERT line pillars (communication media: SM optical cable), the total system reach can be extended up to 160 km. Any type of configuration is allowed : copper, fiber optic or mixed.

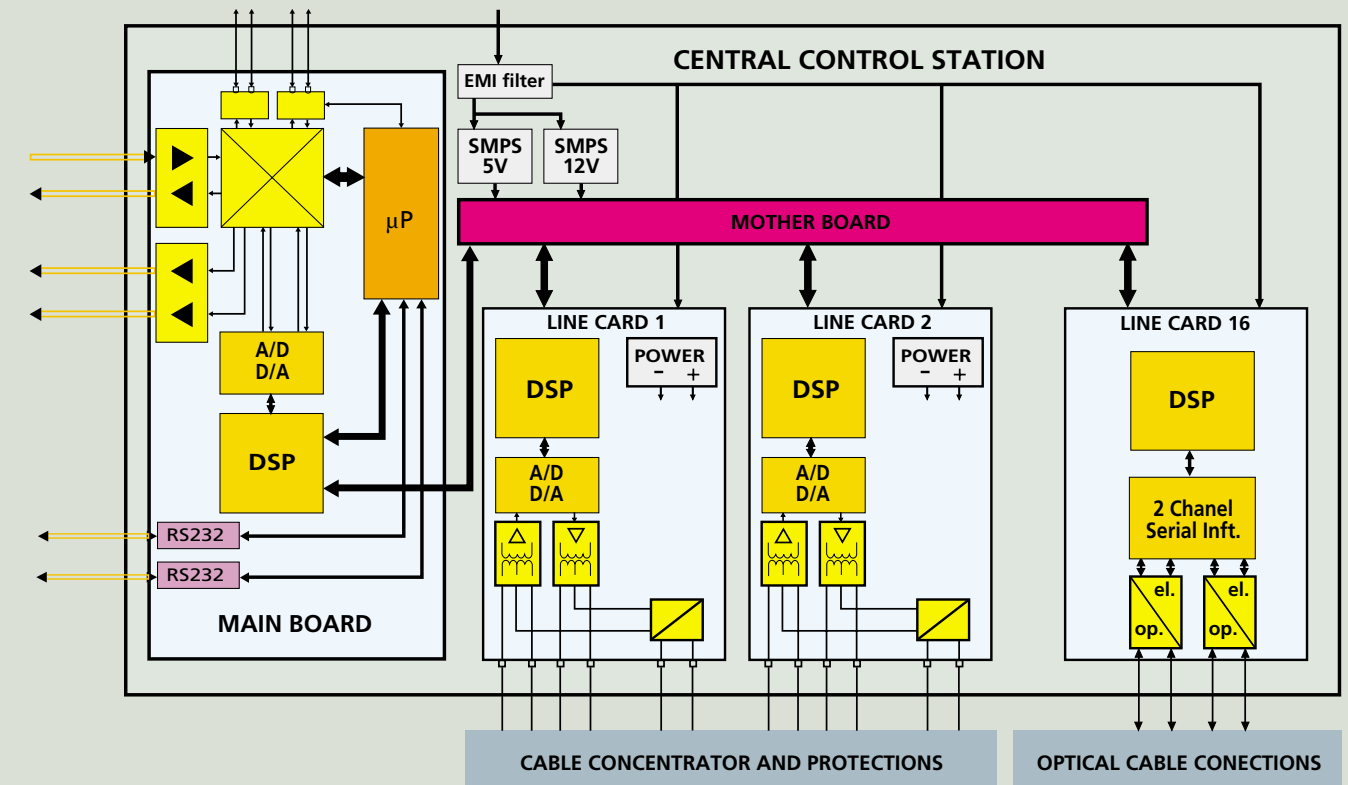
Copper line ERT pillars (96 TG 010C) are connected to CCS through the 96 TG 048C line module - maximum of 16 ERT pillars per card. Fiber optic line pillars (96 TG 010F) are connected through the 96TG048F line module - maximum of 32 ERT pillars per card.

Features:

- > connection of up to 256 ERT pillars of either type through line modules
- > one main control board (96 TG 020)
- > up to 16 line modules (96 TG 048A, copper line based or 96 TG 048F, fiber optic based)
- > 2 independent interfaces to public telephone network
- > interface to PC trough RS-232 interface
- > interface for audio recording equipment
- > DSP technology for sound processing
- > periodical auto testing of pillars and notification of any errors
- > extensive over current and over voltage protection
- > 19" 6HE rack accommodated in network enclosure

Its versatility and modular design allow users to configure an ERT system according to their needs. Fully digital architecture and DSP audio processing give superior sound quality.

Block diagram



Connection system

Copper lines:	<ul style="list-style-type: none"> > 3 twisted pairs, pupinized to 1200 Ohms, > max 70 Ohms/km per pair resistance > 14 pole connector type
Optical lines:	<ul style="list-style-type: none"> > Standard 9/125 SM fiber, > ST connectorized > 4 (2) fibers per line
Handling desk:	<ul style="list-style-type: none"> > 14 pole connector type
Telephone lines:	<ul style="list-style-type: none"> > Two RJ-45 standard outlets
PC:	<ul style="list-style-type: none"> > DB-9 connector

Tehcnical specification:

Power supply:	> 230V - 50/60 Hz
Power consumption:	> max. 80W

Certified according to standards:

HRN EN 55022; HRN EN 61000-3-2; HRN EN 61000-3-3; HRN EN 55024 (HRN EN 6100-4-2; HRN EN 61000-4-3; HRN EN 61000-4-4; HRN EN 61000-4-5; HRN EN 61000-4-6; HRN EN 61000-4-11)