LOUD-SPEAKING COMMUNICATION SYSTEM (LSCS)

The LSCS is intended for maintenance of simplex loud-speaking communication between the removed from each other systems.

Communication between equipment LSCS is carried out in any combination by two-wire and four-wire lines or phone channels of automatic telephone exchange (ATE).

It is one of components of operatively-technological communication system and can be used everywhere, where there is a necessity of people communication, connected by a uniform technological chain: in the industrial enterprises, in administration building, station and entertaining complexes, offices and etc.

Two modifications of the loud-speaking equipments are produced:

LSCS-1, used at a single-channel two-side loud speaking communication

Simplex pair loud-speaking communication between subscribers without participation of the operator (fig. 1) is provided. In this case two LSCS-1 are connected among themselves by one two or four-wire lines. The system operates by a principle: one speaks - another hears.

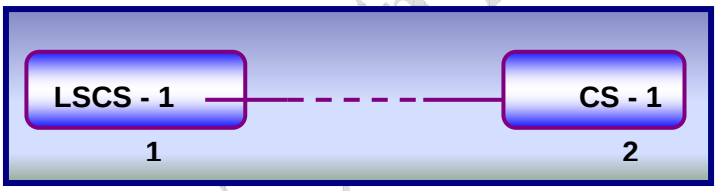

Fig.1 Diagram of loud-speaking communication by LSCS-1

LSCS-8 –equipment providing 8 channel loud speaking communication

LSCS-8 in a combination with eight LSCS-1 provides transfer of administrative decrees and broadcasting transmission of eight and less subscribers(fig. 2a). The system operates by a principle: one - speaks, all- hear.

LSCS-8 has open architecture: except of LSCS-1 connections of two radio stations (RS) (fig. 2b) and it interconnecting (fig. 3) are possible.

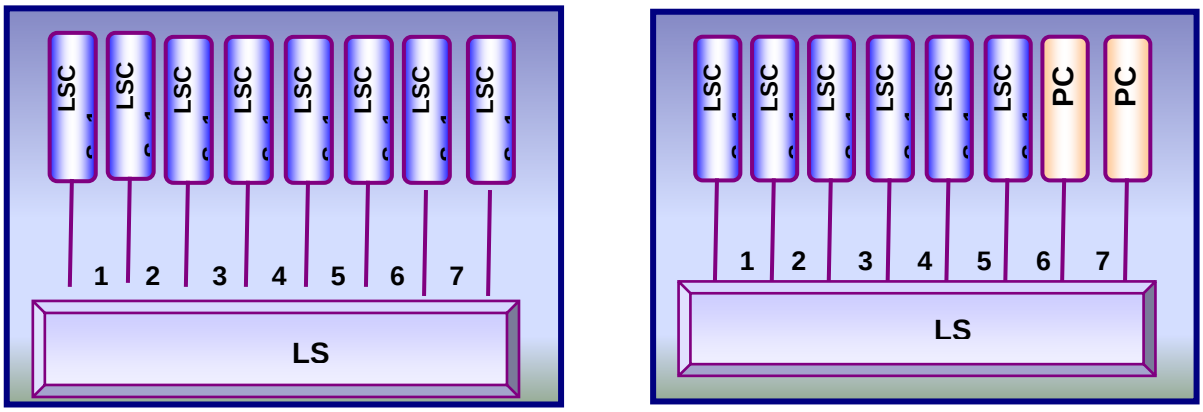

Fig.2 Diagram of loud-speaking communication by LSCS-8 and LSCS-1

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LSCS provides:

- Transmission from built-in or external noise-resistant microphones with the indicating lamp for transmission mode turning on;

- Transmission reception on the built- in loudspeaker of the device and/or an external active loudspeaker with the possibility of loudness level control. Information reception is made at the released button or talk-listen button;

- Automatic transition on DC supply (accumulator) with the 12V voltage at switching-off of AC network;

Three-colored indication of operating modes for each channel:

- ✓ orange-waiting mode;
- ✓ green – transmission mode;
- ✓ red – reception mode.

LSCS - 8 has conference communication mode between channels.

Increasing of quantity of simultaneously connected subscribers (up to 16) is provided by cascading of two LSCS-8 (fig. 3).

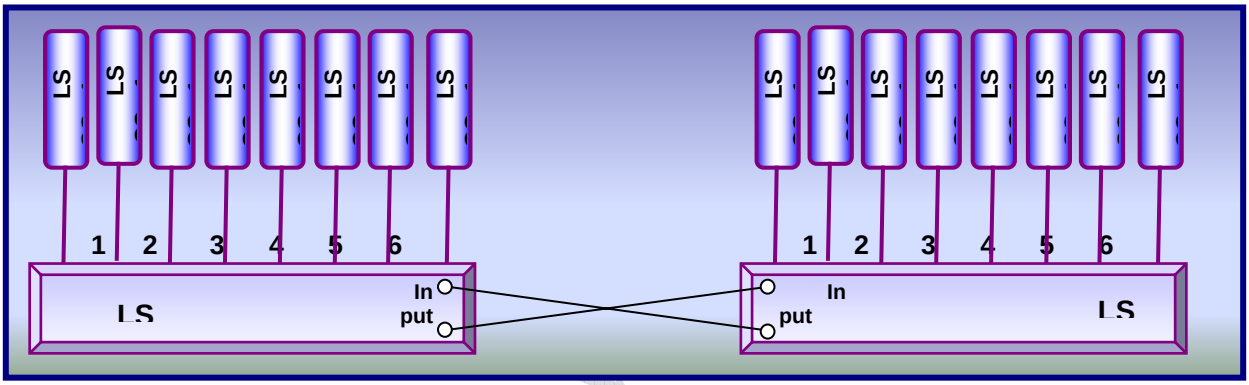

Fig.3 Diagram of loud-speaking communication for 16 subscribers (cascading)

Specifications

Operating band of receiving and transmitting amplifiers	300...3400Hz
Output power of receiving amplifier	1 W
Power consumption from network no more than	
- one channel	3 W
- 8 channels	6 W
Supply voltage of AC	220 V
Supply voltage of DC	12 V
Output voltage of transmitting amplifier	1,1 V
Active resistance of connecting line no more than	600 Ohm
Operating mode	round-the clock
Overall dimensions:	
LSCS-1	150x148x70mm
LSCS-8	280x1165x80mm
Mass no more than:	
LSCS-1	1 kg
LSCS-8	3 kg