



TESLA U 15-004 DESK-MOUNTED SWITCHBOARD



SCANNED 2009, PAUL-F.COM

APPLICATION

The TESLA U 15—004 cordless switchboard made in the form of a double writing desk is designed for dispatching service, where safety is the most important consideration. It is especially suited for big railway junctions with a high concentration of telephone lines necessary for smooth operation.

DESCRIPTION

The TESLA U 15—004 double desk-mounted switchboard is furnished with line equipment for a maximum of 40 lines, operated by two operator's telephone sets of the selector system type. One switchboard is principal, the other is auxiliary for listening in. Every line has two keys so that the call can be put through by either the principal or the auxiliary switchboard. The incoming and outgoing lines may be either metallic or earth-return lines; the subscriber's sets are:

- parallel of 3200 to 6000 ohms resistance,
- series of 100 to 200 ohms resistance,
- telephone lines according to Leber,
- selector system lines,
- lines for the operation of bell signals.

The relay equipment is determined accordingly.

Construction

The switchboard consists of three parts — of two writing desks and of the central operating part and the internal equipment. The writing desk of the principal operator has an inset glass plate under which various service aids (time-table charts, etc.) may be inserted. The other desk is also furnished with an inset plate, but made of lino or fibre.

The switchboard desks are made of oak, stained dark and polished. The key panels are built into the middle part. Above these panels is an indicating screen, behind which a strip listing the branches is situated. Under this strip are the signal lamps; an incoming call lights up the name of the branch.

ADVANTAGES

Simple operation and easily surveyable lay-out facilitate full concentration upon service, as is required with dispatch service in large railway stations.

The switchboard is operated from two positions, yet it forms one entity. It is equipped with an electrical blocking circuit which prevents any order being transmitted to the wrong branch by faulty setting of two keys.

By switching over a key on the auxiliary operator's side the two systems are disconnected and both operate as independent units with the same safety precautions as before.

The relay sets are exchangeable and thus the lines may be changed to another type of subscriber's instrument without any further changes.

Facility of exchanging the key panels enables the keys to be repaired without interrupting operation of the switchboard.

TECHNICAL DATA

Supply voltage: 24 V.

Indication: lamp signals.

Ringing current (A. C. and pulsating D. C.) supplied by a special vibrating pole changer.

Standard Equipment:

Rack with cabling,

Relay equipment for 40 lines (according to type of line employed)

Relay set — power supply

Relay set — auxiliary

Special Equipment:

Relay and selector set for automatic selective ringing,

Relay set — call limiter

Relay set — noon time signal

Item	Model	Dimensions mm			Weight kg	Order No.	Price
		width	height	depth			
Desk-mounted switchboard	TESLA U 15-004	1760	980	1720	130	U 15-004	
Self-contained relay rack	TESLA U 15 A/3616	625	2325	150	185	U 15 A/3616	
Operator's telephone set	TESLA P 15-002	250	120	160	2.10	P 15-002	