



## ELECTRONIC COMMUNICATIONS EQUIPMENT

( STROMBERG — CARLSON )

## DIALMASTER<sup>®</sup> and DIAL-X<sup>®</sup>

PRIVATE AUTOMATIC  
TELEPHONE SYSTEMS  
Model TD-4510

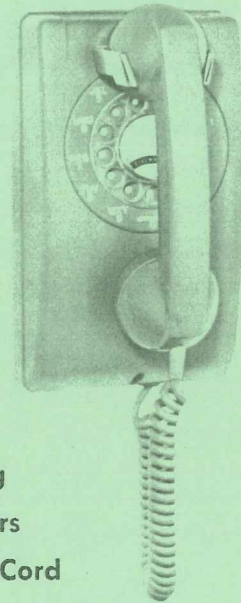
### DESCRIPTION AND APPLICATION

The TD-4510 Wall Mounting Telephone is designed for use with STROM Communications private automatic telephone systems such as DIALMASTER and DIAL-X. The TD-4510 can be employed exclusively or in conjunction with the TD-4500 desk model or the TD-91 side-mounting telephone depending upon individual requirements. The TD-4510 offers the convenience of a space-saving wall-mounted telephone that can be made part of an internal communications system to meet requirements for all types of businesses, institutions and industrial plants.

The TD-4510 Wall Telephone offers the same simple operation and high quality of voice transmission as telephone instruments employed in public utilities telephone networks. Smart, modern styling make it an asset to the decor of any office, plant or business establishment. The TD-4510 telephone offers quick, easy, digit-dialing, with distinctive buzzer signaling and complete privacy of conversation. The easy-to-read dial is the latest design with clear plastic, long-life finger plate and modern durable number plate. The precision dial mechanism is completely enclosed in a dust-tight cover to assure long life and trouble-free service. A large number card is provided in the center of the dial for positive, individual station identification. The graceful instrument housing and handset are moulded of tough, lightweight thermoplastic. The TD-4510 is available in a wide selection of decorator colors selected to enhance any location in which the telephone is placed. A kink-resistant cord is insulated with a tough, scuff-proof plastic covering. The cord is in the color matching the instrument.

A rugged handset cradle operates a hookswitch completely enclosed in a plastic dust-cover with simplified mechanical linkages. Each switch circuit is made through self-cleaning twin contacts to assure positive long-life service.

The TD-4510 is a balanced line instrument with standard commercial telephone impedance of 600 ohms. For signaling it employs a high impedance, vibrating armature buzzer to provide a distinctive tone. The volume level of the buzzer may be readily adjusted by a telephone technician for high or low level signaling. Conversion to bell signaling can be effected through the use of a simple modification kit. Numbered screw



- Modern Styling
- Decorator Colors
- Matching Coil Cord
- Full Range Transmission
- Hookswitch Twin-Contacts
- Buzzer Signaling

terminals and standard telephone color coding of the line cord permit easy connection of the TD-4510 to the telephone system.

All operating components are mounted on a rigid steel baseplate which assures precise mechanical alignment of all components within the telephone housing. Components are readily accessible for preventive maintenance or replacement by simply loosening one recessed screw and lifting off the plastic housing.

Both the transmitter and receiver are high efficiency capsule units. Reproduction of voice frequency is life-like and pleasing regardless of the position in which the handset is held. The TD-4510 incorporates the latest design in L/C network and line compensation circuitry and employs an efficient contact protection circuit to assure complete circuit protection for both the DIAL-X and DIALMASTER systems.

(See reverse side)

DIAL TELEPHONES



**STROM**  
communications  
( STROMBERG — CARLSON )

## ARCHITECT-ENGINEERS' SPECIFICATIONS

- **Type:** Wall model dial telephone, automatic.
- **Housing and Handset:** Moulded of tough, light-weight thermoplastic.
- **Base:** Rigid steel to mount all components in strict alignment.
- **Dial:** Clear plastic finger wheel, scratch-resistant number plate.
- **Signaling Device:** Self-contained, high impedance, vibrating armature type buzzer, 60 cycles.
- **Hookswitch:** Twin contacts, dust-cover protected.
- **Transmitter and Receiver:** High efficiency, standard commercial capsule units that provide superior voice reproduction irrespective of handset position.
- **Handset Cord:** Coiled type, plastic jacket, colors to match housing, extends to 5 feet.
- **Induction Coil Network:** Standard commercial quality with bridge network to adjust sidetone and transmission level irrespective of loop resistance. Network suitably potted to protect components from

moisture.

- **Impedance:** 600 ohms.
- **Interference Suppression:** Suppression circuits to eliminate annoying clicks while dialing or upon actuation of the hookswitch.
- **Line Connection:** Building wiring connects within the telephone.
- **Colors:** The TD-4510 is available in the following colors:

Color	Type No.
Black	TD-4510-B
Sand Beige	TD-4510-SB
Chinese Red	TD-4510-CR
Light Grey	TD-4510-LG
Antique Ivory	TD-4510-AI
Olive Green	TD-4510-OG
White	TD-4510-W

- **Size:** 5 $\frac{3}{4}$ " wide, 5" deep over handset, 9 $\frac{3}{4}$ " high.
- **Net Weight:** 4 $\frac{1}{2}$  lbs. (approx.).