

## PUBLIC TELEPHONE SIGNS ILLUMINATED TYPES INSTALLATION

### 1.00 INTRODUCTION

Information in this section was formerly in Section C39.713, Issue 1, entitled Public Telephone Signs, Installation.

### 2.00 GENERAL

2.01 Illuminated signs are used at indoor or semiexposed coin telephone locations. The 110- to 125-volt ac power source is provided by the customer prior to installation of sign.



*Do not connect signs to nonstandard or temporary electric wiring. Disconnect power or remove cord from power receptacle before doing any work on these signs.*

2.02 The KS-16422 and KS-14154 signs use T12, 18LG 15-watt fluorescent lamps. A standard, cool-white lamp should be installed unless otherwise specified by service order.

### 3.00 SIGN, TELEPHONE, PUBLIC, KS-16422

3.01 The KS-16422 sign assembly is shown in Fig. 1.

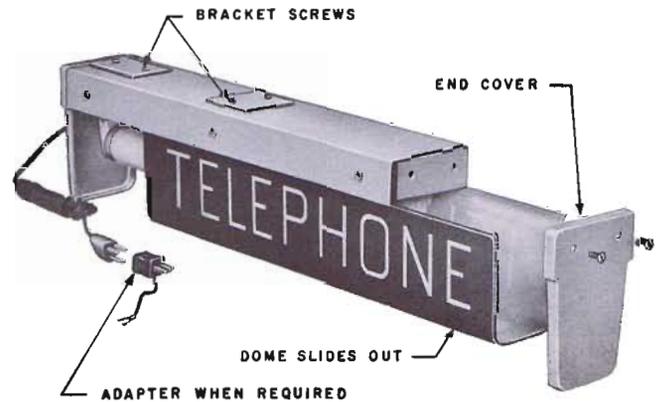


Fig. 1 — KS-16422 Sign Assembly

3.02 Mounting brackets (Fig. 2) are used on each sign installation. The KS-16422, List 4



List 4 Bracket (Detachable)



List 5 Bracket

Fig. 2 — KS-16422 Sign Brackets

bracket is used to mount the sign flush against flat surfaces (see Fig. 3). The list 5 bracket is used for horizontal and projecting installations as shown in Fig. 4 and 5.

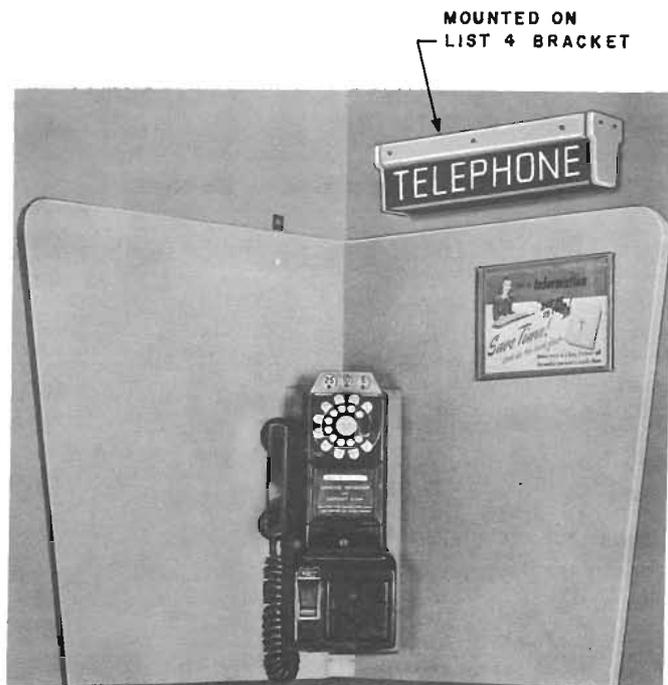


Fig. 3 - Wall Installation

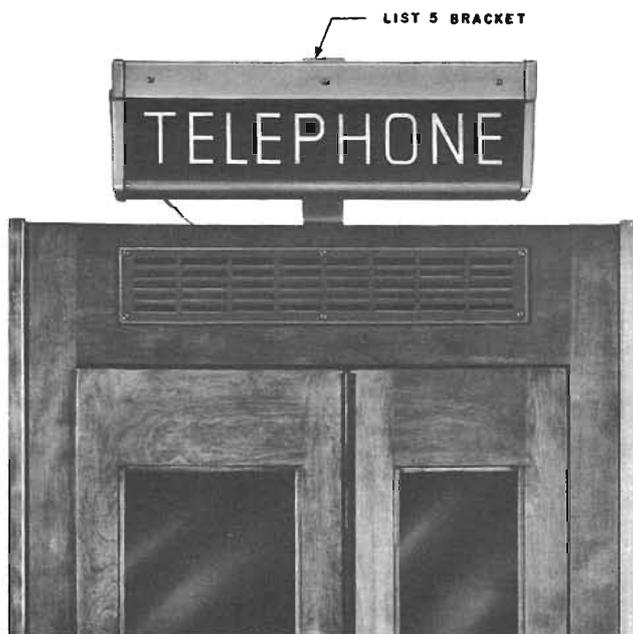


Fig. 4 - Horizontal Installation



Fig. 5 - Projecting Installation

TABLE A  
FASTENERS FOR MOUNTING KS-16422,  
LIST 4 OR 5 BRACKETS

Surface	Fastener
Hardwood	1-1/4 inch, No. 14 RH wood screws.
Softwood	1-3/4 inch, No. 14 RH wood screws.
Plaster on Wood Lath	2-1/4 inch, No. 14 RH wood screws.
Masonry, Unfinished	1-1/4 inch, No. 14 RH wood screw in 10-14 x 1 inch screw anchor.
Masonry, Finished	1-3/4 inch, No. 14 RH wood screw in 10-14 x 1-1/2 inch screw anchor.
Hollow Tile	1/4-inch x 4-inch, RH toggle bolts or appropriate size wall anchors.

3.04 The following are furnished with each sign:

- Four screws, BHM, steel, 164-32 by 5/16 inch.
- Four spring-type lockwashers, No. 8 medium steel.

Only two of the above screws are required to attach sign to bracket. The surplus screws should be used to seal screw openings in top of sign.

3.03 Fasteners for KS-16422 mounting brackets are shown in Table A.

**3.05** Install Lamp as follows:

1. Remove screws from end cover (Fig. 1).
2. Remove end cover and slide out plastic dome.
3. Place lamp in holder (starter not required).
4. Reassemble dome and end cover.

**4.00** SIGN, TELEPHONE, PUBLIC, KS-14154

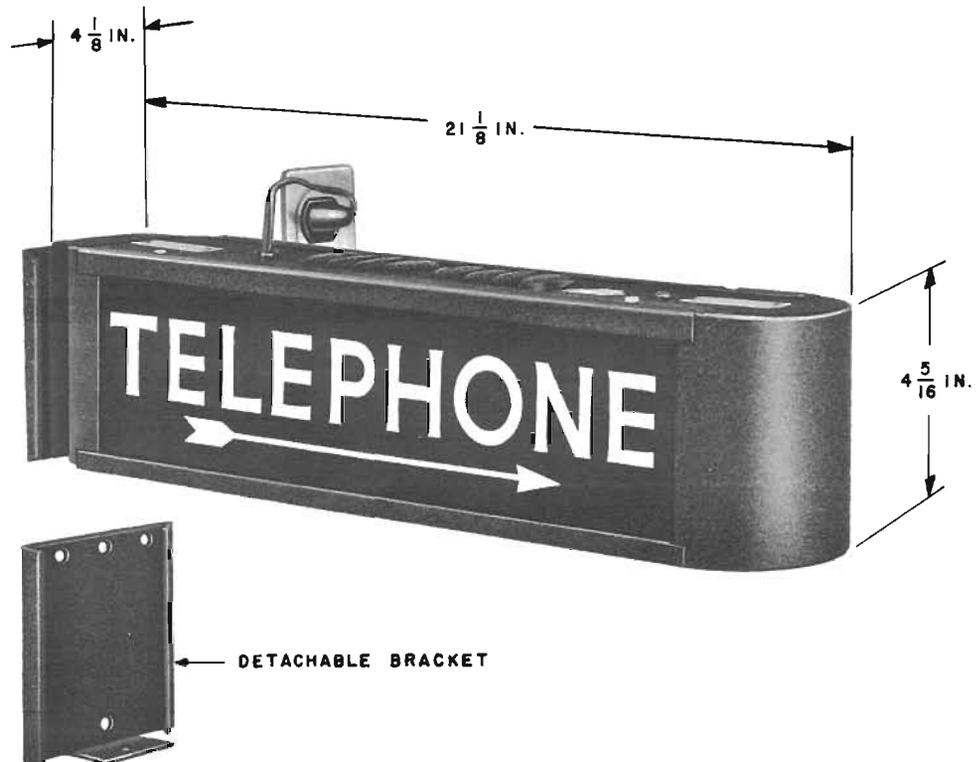
**4.01** The KS-14154, List 2 sign is equipped with a detachable mounting bracket (Fig. 6). Other type mounting brackets are shown in Fig. 7 and 8.

**4.02** Fasteners for mounting brackets are the same as those listed in Table A.

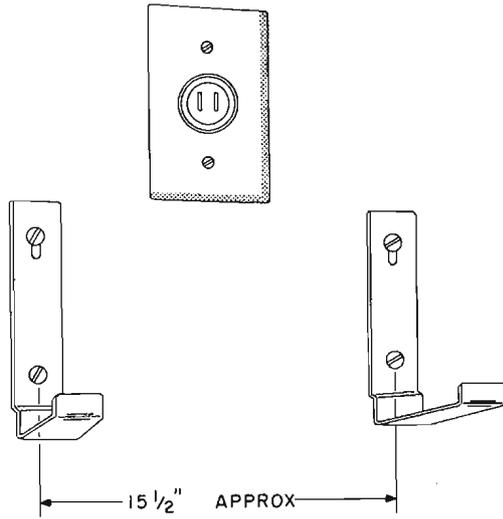
**4.03** The list 2 and list 3 brackets provide for a detachable sign installation. The list 4 bracket has a projecting screw with nut for fastening to the sign.

**4.04** For panel and lamp replacement, open sign as follows:

1. Remove two screws at outer top edge of sign.
2. Lift out corner molding strip.
3. Raise sign panel up to remove.
4. Check to assure that starter is in place.
5. Place lamp in holder.
6. Replace panel, molding strip, and screws.



**Fig. 6 — Sign, KS-14154, List 2 and 8**



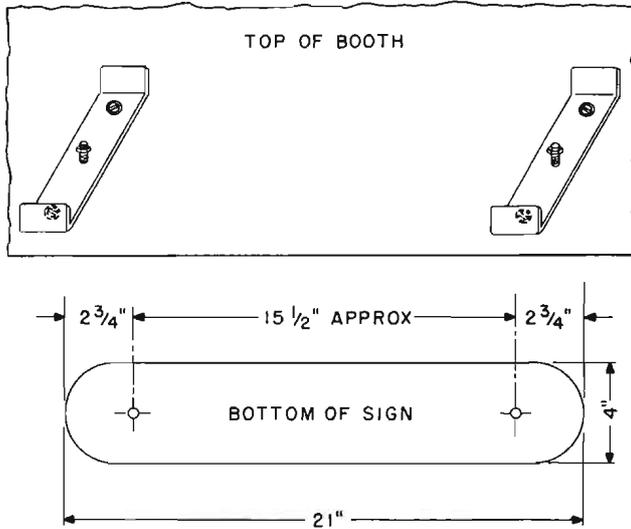
**Fig. 7 – KS-14154, List 3 Bracket**

**5.00 P-19A400 SIGN CONTROL SWITCH ASSEMBLY**

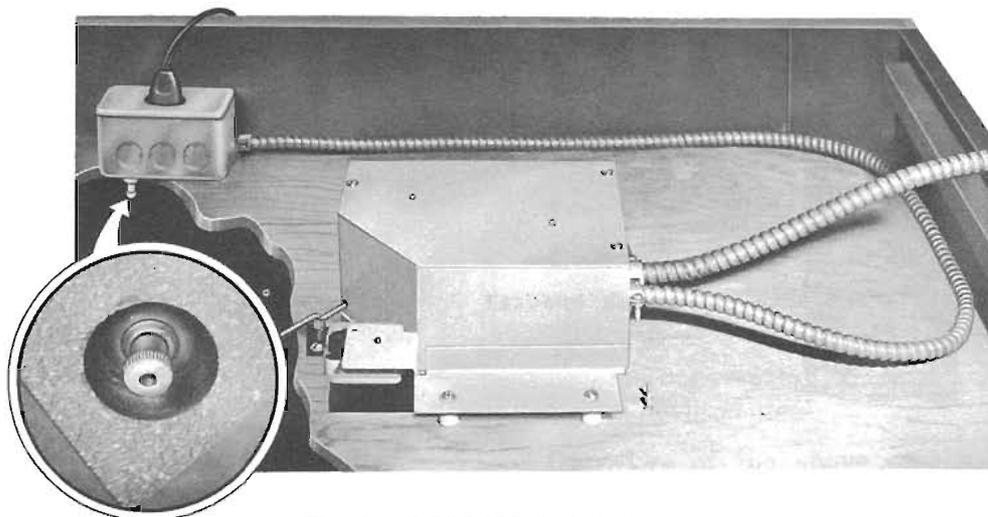
**5.01** The P-19A400 assembly (Fig. 9) provides a power switch in the ceiling of indoor booths to enable customers to turn sign off or on as desired.

**5.02** Install the switch assembly by:

- Drilling a 1-inch hole in the front left corner of the booth ceiling 2-1/4 inches from each edge. Finish with touch-up paint to match the ceiling.
- Center the lever of switch assembly in the hole and fasten box to top of ceiling with 1/2-inch screws.
- Connect the cable to terminals 3 and 4 of the light fixture (types 1, 3, and 4). Connect the black wire to terminal 3 and the white to terminal 4.
- Plug the cord of the sign into the receptacle of the P-19A400 assembly.



**Fig. 8 – KS-14154, List 4 Bracket**



**Fig. 9 – P-19A400 Switch Assembly**