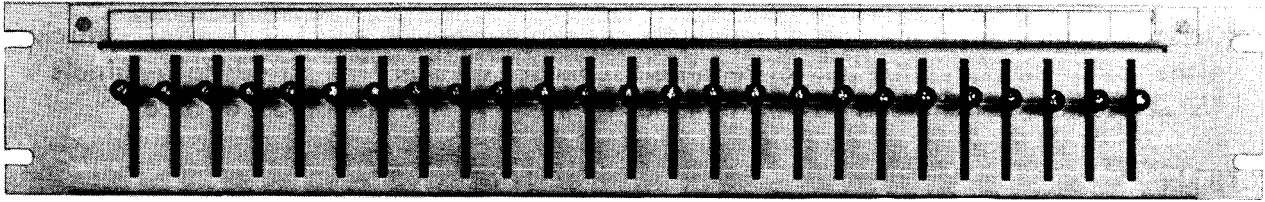


# DUKANE MODEL 9A580 ANNUNCIATOR & SELECTOR SWITCH PANEL



## GENERAL DESCRIPTION

The DuKane Model 9A580 Annunciator & Selector Switch Panel is designed for use in DuKane custom sound system consoles or racks to provide room or area program selection or telephone intercom service and incoming call annunciator indication. The 9A580 provides sound system selection to 25 separate rooms or areas; it fits a standard 2-7/8 inches by 19 inches opening in all-metal consoles or racks,

## POWER REQUIREMENTS

The 9A580 Annunciator & Selector Switch Panel requires 100 milliamperes at 24 volts for each annunciator lamp, the DuKane Model 4A310 Telephone Intercom Unit is used for this purpose (see accessories below),

## PARTS AND ACCESSORIES (available)

Power Supply:	DuKane Model 4A310 Telephone Intercom Panel.
Console Telephone:	DuKane Model 9A685 with 257-42 Handset.
Designation Strip:	DuKane Part No. 226-355.
Plastic Strip:	DuKane Part No. 282-5 (cut 15-5/8 in. long).
Annunciator Lamp:	DuKane Part No. 456-43 (G. E. type #19 or equiv.).
Knob: 4-Pos. Switch:	DuKane Part No. 440-61 (Switchcraft #T-1083-2). Grigsby #21304-7618LR-6.

## PREPARATION FOR USE

Make electrical connections to terminal strips at each side of 9A580. Connect OFF line (from Control Panel in console or rack) to terminals labeled "OFF"; connect I. C. line (from Telephone Intercom Unit) to terminals labeled "I.C."; connect program line from Channel A power amplifier to terminals labeled "A"; connect program line from Channel B power amplifier to terminals labeled "B". Connect 24 volts (preferably DC) to terminal labeled HI; connect power supply ground (minus) to terminal on copper conductive strip; obtain DC from terminals B3 and B4 (Gnd.) on 4A310.

### IMPORTANT NOTE

Use only ROSIN core solder for all electrical connections.

Connect room speaker line to the pair of terminals at each number, i.e., 1,2,3, etc., which appears either below or above the pair of terminals; connect speaker line shields to terminals labeled "S". Connect annunciator line to terminal labeled "A" for each room or area.

### OPERATION

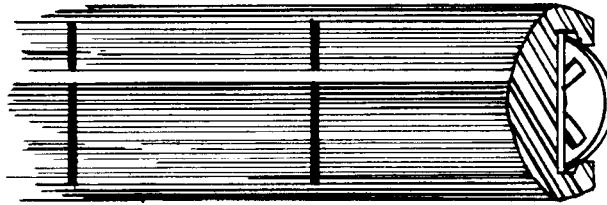
Each switch lever provides separate control for a room or area speaker. Annunciator lights are connected to illuminate in any position when an incoming telephone-intercom call is made. In a sound system console with telephone-intercom, the 9A580 provides communication with rooms with telephone stations.

Program selection may be separately controlled for each room or area speaker, i.e., any speaker selector switch may be set to either Channel A, Channel B, or OFF, depending upon the choice of sound service for the room or speaker area.

### MAINTENANCE

No extensive maintenance is required for the Model 9A580 Annunciator & Selector Switch Panel except an occasional functional check. To change one of the annunciator lamps, unfasten the screw at each end of the designation strip above the switch levers; remove the designation strip bracket to reach annunciator lamps. Pull out the burnt out lamp and replace with one which is good. Any loose connection can cause intermittent and noisy operation; be sure that no bare wire touches another wire or terminal or any metal part. In the event that this unit does not function properly, consult your nearest authorized DuKane distributor or dealer for prompt service.

## HOW TO USE THE NEW EASY-TO-SEE, EASY-TO-CHANGE DESIGNATION STRIP

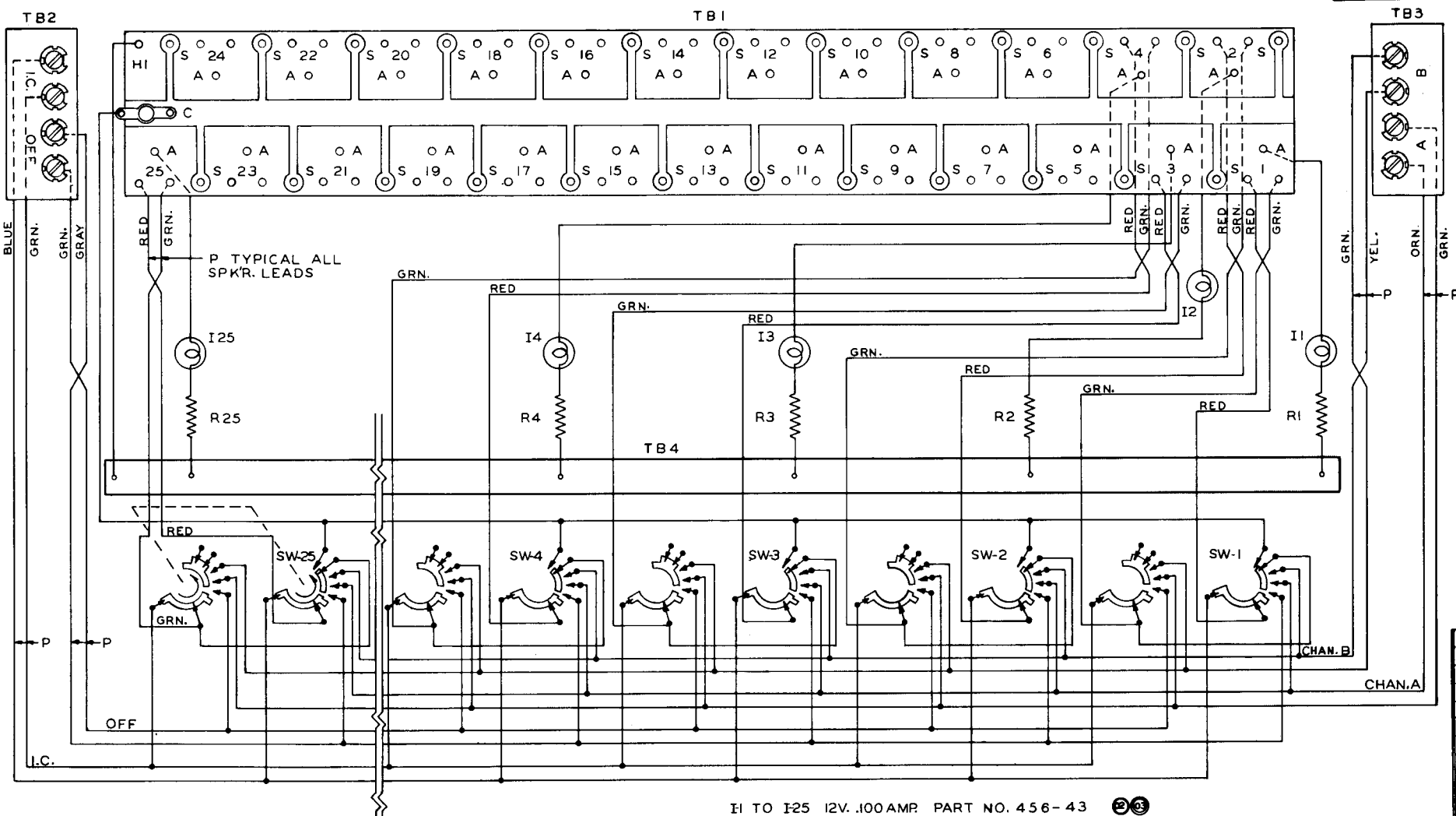


The new, attractive design in the plastic cover for the designation strip serves a useful purpose as well in that it is a special continuous magnifying lens to help make reading at a glance for the user.

To mount the designation strip, first slide the strip into place in the plastic cover. Then, slide each push-rivet fastener into place behind the designation strip; position each rivet with its opening in the panel. Push each fastener into place by pressing on the plastic cover.

To remove the designation strip, use a slender screwdriver to pry off the plastic cover. Place a clean cloth or stiff card behind prying tool to prevent any damage to enamel finish on panel. Pry very carefully behind each push-rivet to prevent tearing or scratching the plastic cover. Once removed, the designation may be slid out of the plastic cover for any change to be made.

190-913	
NO. REV'D	USED ON
1	9A580



NOTE:  
 1. WIRING IS TYPICAL FOR 25 SWITCHES, BOTH SIDES OF SWITCHES SHOWN IN I.C. POSITION.  
 2. FOR USE WITH 4A310 C.

I1 TO I25	12V. 100 AMP	PART NO. 456-43	② ③
R1 TO R25	120 OHM 2 W.	" " 600-0153-121	
SW-1 TO SW-25		" " 680-313	
TB-1		" " 703-343	
TB-2		" " 703-344	
TB-3		" " 703-345	
TB-4		" " 656-204	

03	I1 TO I25 WAS 456-43	12-62	
02	I1 TO I25 WAS 456-43	2-45-61	
01	REVERSED OFF & B LEADS TO PROD.	11-20-59	1/8
ISSUE	WAS	DATE	APPR

MATERIAL		FINISH	
UNLESS OTHERWISE SPECIFIED DECIMAL DIMENSIONS TO BE ±. FRACTIONAL DIMENSIONS TO BE ±.			
 DUKANE CORPORATION ESTABLISHED AS "OPERADIO" 1922 ST. CHARLES, ILLINOIS, U. S. A.		SCALE: DRAWN: CHECKED: ENGR:	DATE: 10-27-59 NO. 190-913