

INTERNAL HANDSET SWITCHBOARD SYSTEM

- 2-Wire System
- Selective Ringing
- Private Conversation
- Lighted Annunciators
- Up to 200 Lines or more
- Night Duty Service



System 142™



IDEAL FOR:

- Apartment Buildings
- Office Buildings
- Hotels & Motels
- Assembly Lines
- Schools
- Elevator Emergency Systems

System 142™ Internal Handset Switchboard System

With Selective Ringing, Private Conversation, and Lighted Annunciators!

System 142™ is a Telephonic Switchboard System for internal communication only. Specifically engineered to provide instant two-way communication between a switchboard control station (usually operated by a doorman or concierge) and one or more handset stations. Nine standard models are available from 10 to 120 lines capacity, (models with additional lines are available upon request). The 142 can be used for apartment, commercial, industrial, professional and emergency applications.

A "Night - Duty" or "Auxiliary Control Station" (Model 149A), is also available. When the switchboard is unattended, all calls can be automatically transferred to the Auxiliary control station. Other features include: Automatic call to the Master with intermittent ringing and lamp annunciation by simply lifting station handset. Only two conductors needed between Master and each suite station. Master can call one or more stations. Suite station receives busy signal when Master is occupied. Warning tone sounds at Master, when station completes conversation. Master can receive other calls through visual annunciation, even while busy talking with another station. All solid state electronics.

Multiplier Functions

On larger capacity models 142G, 142H, 142I each button corresponds to 2 lines with 2 LED indicators, selectable with a multiplier switch. This allows the amount of station selector switches to be reduced by half. *Example:* Model 142G has 40 station selector buttons, but has a capacity of 80 lines. The multiplier system greatly reduces overall size of the switchboard. This feature is highly desirable, especially in larger installations.

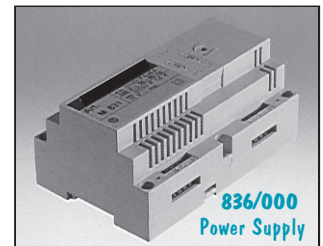
Model	Lines	Overall Size (WxHxD)	Wall Cutout	Model	Lines	Overall Size (WxHxD)	Wall Cutout
142A	10	10" x 10.5" x 6"	9.5" x 9.75" x 4"	142F	60	20" x 10.5" x 6"	19.5" x 9.75" x 4"
142B	20	12" x 10.5" x 6"	11.5" x 9.75" x 4"	142G*	80	16" x 10.5" x 6"	15.5" x 9.75" x 4"
142C	30	14" x 10.5" x 6"	13.5" x 9.75" x 4"	142H*	100	18" x 10.5" x 6"	17.5" x 9.75" x 4"
142D	40	16" x 10.5" x 6"	15.5" x 9.75" x 4"	142I*	120	20" x 10.5" x 6"	19.5" x 9.75" x 4"
142E	50	18" x 10.5" x 6"	17.5" x 9.75" x 4"	*In these models, each key corresponds to 2 lines with 2 LED indicators, selectable with a multiplier key.			

Wiring Requirements

Between the switchboard and the suite station use 2 unshielded insulated conductors for each handset in the system. With No. 22 AWG wire, the maximum distance between the switchboard and the farthest station may be up to 2000 ft. *Note:* One conductor may be common to all the phone stations. *Example:* Use 11 conductors for the 142A with 10 handset stations. One power supply model 836 is required for each system installation. Use 3 unshielded insulated conductors No.18 AWG between the 142 switchboard and 836 power supply. Use 5 unshielded insulated conductors, No. 22 AWG, for connection of the auxiliary station Model 149A to the switchboard. Model 149A can only be connected to the switchboard and the maximum distance is up to 1000 ft.

836/000 Power Supply

One required for each system installation. New integrated circuit stabilized power supply. The IC dynamic filter effect, virtually eliminates any residual hum. Automatic current limiting in case of short circuit. Constant voltage. Operates on 117 VAC, 30 VA UL Listed. Includes spare fuses. *Size:* 5 1/2" W., 4 1/2" D. 2 1/2" H. *Weight:* 3 lbs.



8870 Deluxe White Suite Handset Station

MODERN STYLING!

Contemporary styling makes 8870 our most popular handset station for use with System 142. Mounts on standard single gang gem box. Automatic call by lifting handset. *Features:* Coil cord, built-in AC buzzer, screw type terminal strip. *Weight:* 2 lbs. *Size:* 8 3/4" H., 2 5/8" W., 2 1/4" D. *Color Finish:* All White, including coil cord.

AP-100UW & AP-777UW Adapter Plates

Oversized white adapter plates will overlap the wall opening of many older, obsolete intercom stations. Can be predrilled with 8870 mounting holes. Ask for brochure IN-002 for further details. *AP-100UW Size:* 8 7/8" H., 6 5/8" W., 3/16" D. *AP-777UW Size:* 12 1/2" H., 5 1/2" W., 3/16" D.



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