

Introducing No.1 & 1A ESS minitrunks

The Vastly Improved Trunk and Service Circuits That Will Drastically Cut Your Floor Space Requirements.

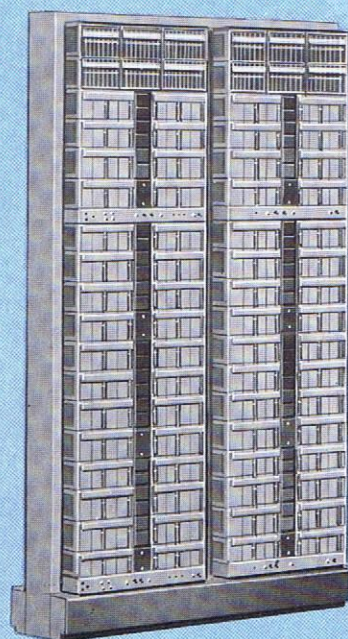
UNIQUENESS: Miniature Universal Trunk and Miscellaneous Trunk Frames and Circuits.

TECHNOLOGY: Solid State and Electromechanical.

ADVANTAGES: A 3:1 - Or More - Reduction in Floor Space. Improved Transmission.

CAPACITY: 256 Plug-In Trunk/Miscellaneous Unit Positions on a frame.

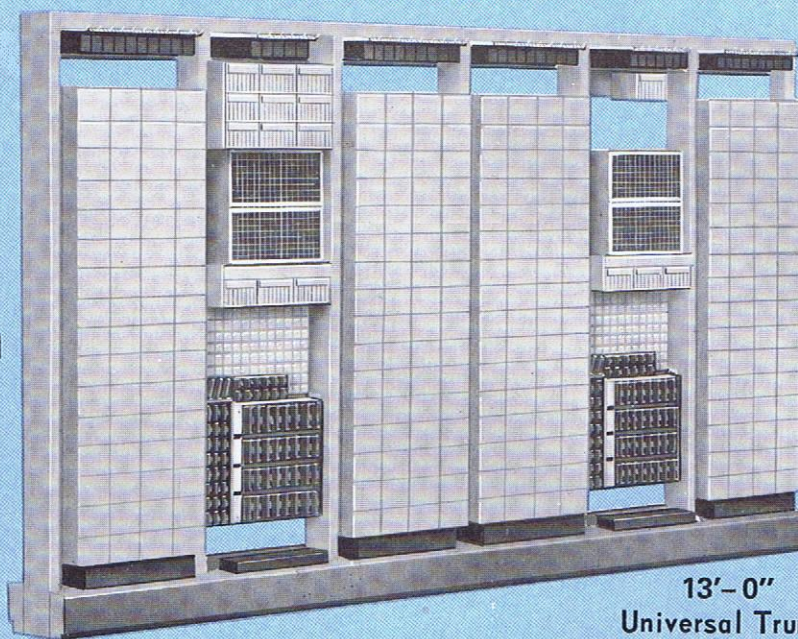
NEW DESIGN



**3 to 1
SIZE
REDUCTION**

**4'-4"
Miniaturized
Universal
Trunk Frame**

EXISTING DESIGN



**13'-0"
Universal Trunk
Frame**

MINITRUNKS are size reduced Universal Trunk (UT) and Miscellaneous Trunk (MT) frames and circuits, for No. 1 & 1A ESS. The new versions are known as the Miniaturized Universal Trunk (MUT) frame and the Combined Miscellaneous Trunk (CMT) frame respectively.

MINIATURIZED UNIVERSAL TRUNK (MUT) FRAME

The MUT frame is 4'-4" wide and replaces a home/mate pair of 6'-6" wide UT frames. Size reduction has been ac-

complished by using miniaturized solid state components in circuit board mounted trunk units, plug-in fer-rods (instead of the larger units now used) in the Scanner Matrix, and solid state switches instead of relays in the Signal Distributor. The new trunk circuits provide many improvements in transmission characteristics over their UT frame equivalents and are compatible with all generic programs. No software changes are required to use the new frame in existing offices, for either growth or retrofit.

COMBINED MISCELLANEOUS TRUNK (CMT) FRAME
Some of the high-usage MT mounted circuits were redesigned for the CMT frame. Others are under development. The CMT is 6'-6" wide and, unlike the MT frame (which uses wired-in mounting plates), makes extensive use of printed wiring board plug-ins. Also unlike the MT frame, the new frame includes a Scanner and one or two Signal Distributors for the circuits that plug into it. CMT circuits

are electrically equivalent to the MT mounted circuits. They may be used for growth or retrofit in existing offices, without requiring any generic program changes. Depending on the type of trunk or service circuit used in the CMT, floor space reduction will vary from 4:1 to 7:1. And with the new plug-in circuit boards, maintenance effort is reduced, because rapid substitution of faulty units is possible.

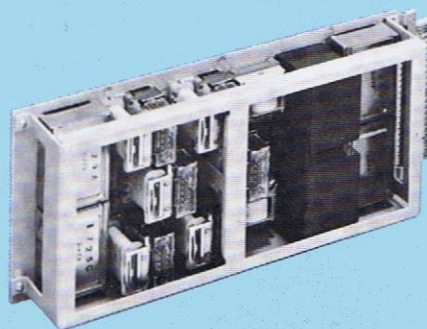
FEATURES

MUT Frame

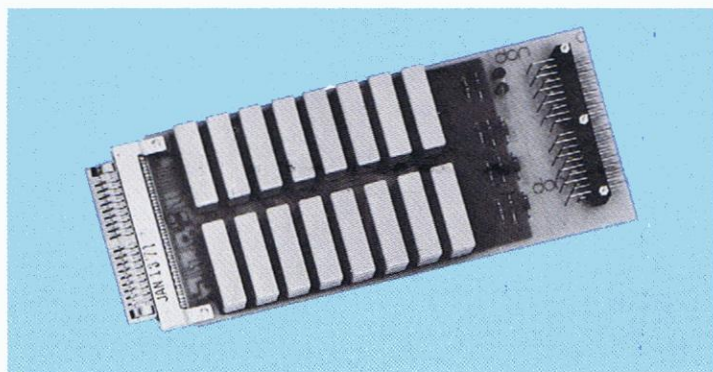
- Compatibility with all generic programs
- Reduced frame size
- Miniature plug-in circuit boards
- Improved transmission characteristics over present UT circuits
 - Less low frequency insertion loss
 - Less loss distortion
 - Less envelope delay distortion
 - Less crosstalk
 - More structural return loss
 - Greater longitudinal balance

CMT Frame

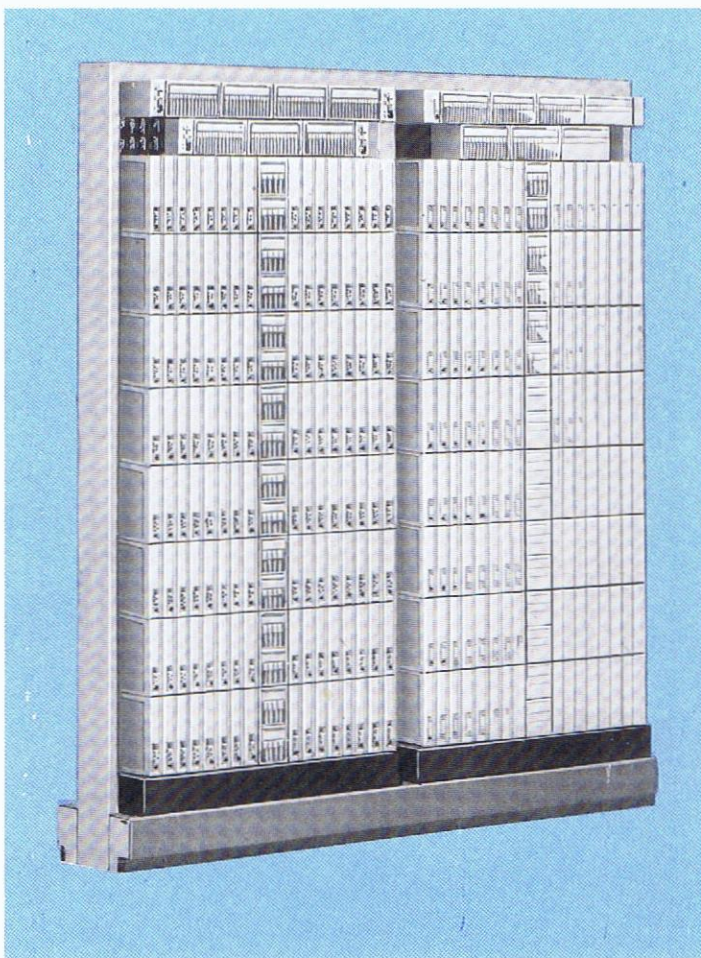
- Plug-in circuit boards
- Signal Distributor and Scanner housed within frame
- Less maintenance.



Miniature Plug-In Trunk Unit



Scanner Matrix Ferrod Board



Combined Miscellaneous Trunk Frame

MINITRUNKS—YOU'LL SEE THE DIFFERENCE

REFERENCE:

EL 4122, Size Reduced Trunk Frames

For additional information on how MINITRUNKS can benefit your Company and your customers, contact the Service Consultant, Switching Products, serving your area.



PRODUCT INFORMATION ORGANIZATION