

# ACCESSORIES AND MISCELLANEOUS

BY  
*Langevin*

The accessories illustrated in the panel (A through D) are mounting frames, blank plates, and brackets necessary to rack or cabinet mount a group of Langevin amplifiers and power supplies (102, 103, 106, 111, 118 amplifiers; 201 series power supply). These units are designed so that assemblies of pre-amplifiers, line amplifiers and associated power supplies can be fabricated in groups of three for use as packaged systems or custom built studio facilities.

### 3-A Mounting Frame (A, see Panel)

Will accommodate three units -- chassis size 10 1/4" x 5 1/4" (Langevin 102, 106, 111 amplifiers; Langevin 201 series power supplies). Can be mounted in standard relay type rack or Langevin Type 201 series cabinet (see cabinets). Constructed of 16 gauge steel. Equipped with knockouts for 3/4" conduit fittings; and for volume controls, pilot lights, power switches, when the frame is used with a cabinet.

FINISH: Bonderized, baked-on grey enamel; HEIGHT: Occupies 10 1/2" of rack space; DEPTH: 1 7/16".

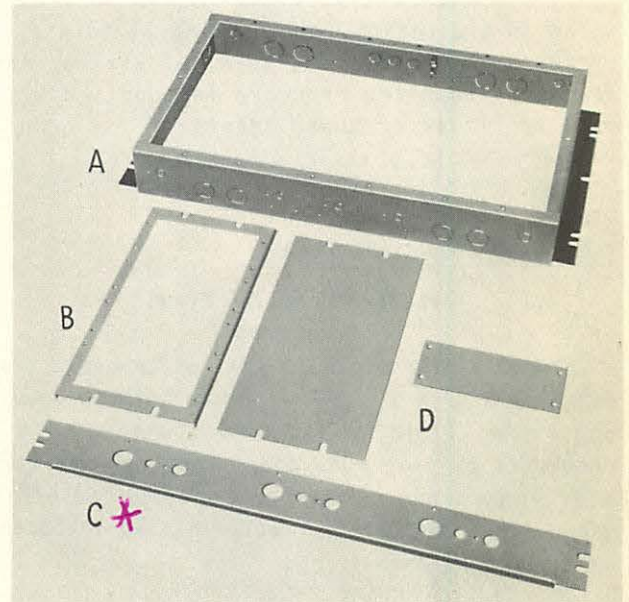
### 4-A Mounting Frame (B, see Panel)

Accommodates 4 type 103-A amplifiers, or Type 118-A amplifiers. Occupies one third of space on a 3-A mounting frame. Equipped with four rubber shock mounts and mounting hardware. Suitable for the custom assembly of microphone pre-amplifiers associated with a power amplifier and power supply. Constructed of 16 gauge cold rolled steel.

FINISH: Bonderized, baked-on grey enamel; LENGTH: 10 15/32"; WIDTH: 5 17/32"; DEPTH OF FLANGE: 3/8".

### 14-A Mounting Bracket (C, see Panel)\*

For rack mounting volume controls, power switches and pilot light assemblies which are associated with the amplifiers and power supplies mounted on a 3-A Mounting Frame. Bracket can be secured to the 3-A Frame so that equipment controls are accessible from the front of



a standard 19" rack. Mounting holes are arranged in groups of three providing space for three sets of power switches and pilot lights.

LENGTH: 18 13/16"; HEIGHT: 2"; MATERIAL: 16 gauge cold rolled steel; FINISH: Bonderized, baked-on grey enamel.

### Blank Plates (D, see Panel)

Suitable for covering unused areas on 3-A and 4-A Mounting Frames, provides neat appearances when frames are not completely occupied with equipment.

#### Type 1-A

Covers 1/4 of space available on 4-A Mounting Frame. Also used to cover unused panel space on Type 128 series and Type 113 series amplifiers.

FINISH: Bonderized, light grey baked-on enamel on 16 gauge steel; LENGTH: 5 7/32"; WIDTH: 2 3/16". Supplied with mounting hardware.

#### Type 2-A

Covers 1/3 of space available on 3-A Mounting Frame.

FINISH: Bonderized, light grey baked-on enamel on 16 gauge steel; LENGTH: 10 5/32"; WIDTH: 5 7/32". 16 gauge cold rolled steel. Supplied with mounting hardware.



# ACCESSORIES

## 6-A Mounting Frame (E, see Panel) \*

Designed for mounting single units of the 102, 106, 111 amplifier series, and the 201 power supply series. Knockouts are provided in each end and in the bottom for 3/4" conduit fittings and holes are drilled on the side for mounting volume controls, a power switch and a pilot light assembly. Frame is equipped with holes in the bottom for mounting it to a flat surface or for securing terminal strips. Any necessary mounting hardware is supplied with each amplifier or power supply.

FINISH: 16 gauge steel, bonderized, light grey baked-on enamel; LENGTH: 10 1/4"; WIDTH: 5 1/4"; HEIGHT: 2 1/2".

## TRANSFORMER MOUNTING FRAMES

### Type 5-A Mounting Frame (F, see Panel)

Mounts 12 transformers size of Langevin Type 602-A (2 3/4" x 2 3/8"; distance between mounting studs, 1 1/2" x 1 7/8"). Equipped with 4 knockouts on each end, and 2 knockouts on each side for wiring conduits. Constructed of 16 gauge steel, bonderized, and finished in baked-on light grey enamel.

DIMENSIONS: STANDARD RACK LENGTH: 18 13/16"; HEIGHT: (overall) 2 1/2"; WIDTH: Occupies 6 3/4" of standard rack space. Distance between center lines of transformer knockouts 2 15/32".

### Type 7-A Mounting Frame

Mounts 7 transformers size of Langevin 602-A (see above). Equipped with 2 knockouts on each end for cable conduits. Constructed of 16 gauge steel, bonderized, and finished in baked-on grey enamel.

DIMENSIONS: STANDARD RACK LENGTH: 18 13/16"; HEIGHT: (overall) 2 1/2"; WIDTH: Occupies 3 1/4" of rack space. Distance between center lines of transformer knockouts 2 13/16".

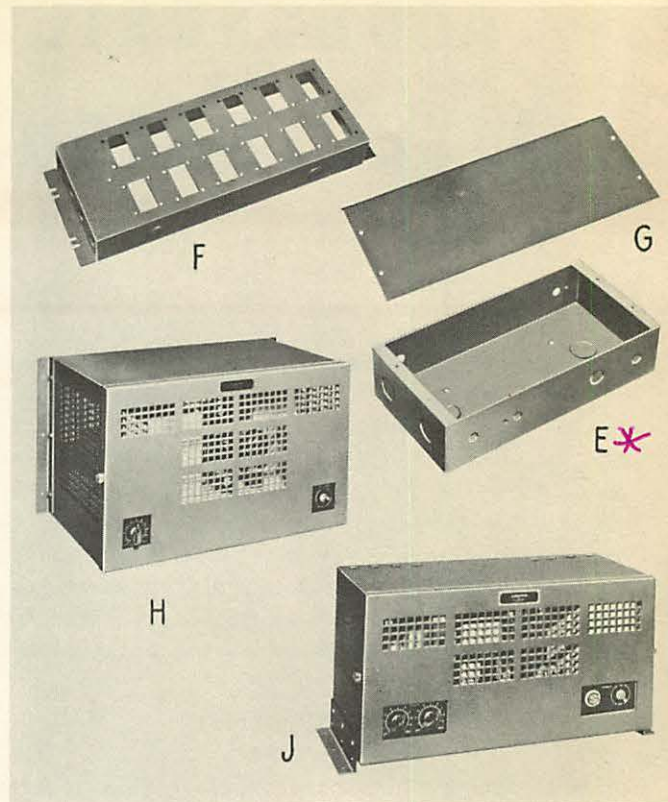
## DRILLED MAT PANELS

### Type 36-B

A 10 1/2" mat panel drilled to accommodate three sets of volume controls. Mounts over 14-A mounting bracket. Furnished complete with volume control escutcheon plates and necessary mounting hardware. Constructed of 16 gauge steel---finished in dark grey baked-on enamel.

### Type 36-C

A 10 1/2" mat panel drilled to accommodate three sets of power switches and pilot light assemblies. Mounts over 14-A mounting bracket. Furnished complete with necessary escutcheon plates and mounting hardware. Finished in dark grey baked-on enamel over 16 gauge bonderized steel.



## Blank Mat Panels (G, see Panel)

For use with standard 19" rack. Made of 16 gauge bonderized steel, and finished in dark grey baked-on enamel. Turned-in flange gives smooth appearance when mounted on rack. Each panel supplied with chrome finish Binder Head mounting screws and spacers. Can be drilled to accommodate various amplifier controls.

Available in the following sizes:

Width	Type Number
3 1/2"	32-A
5 1/4"	33-A
7"	34-A
8 3/4"	35-A
10 1/2"	36-A
12 1/4"	37-A

## CABINETS

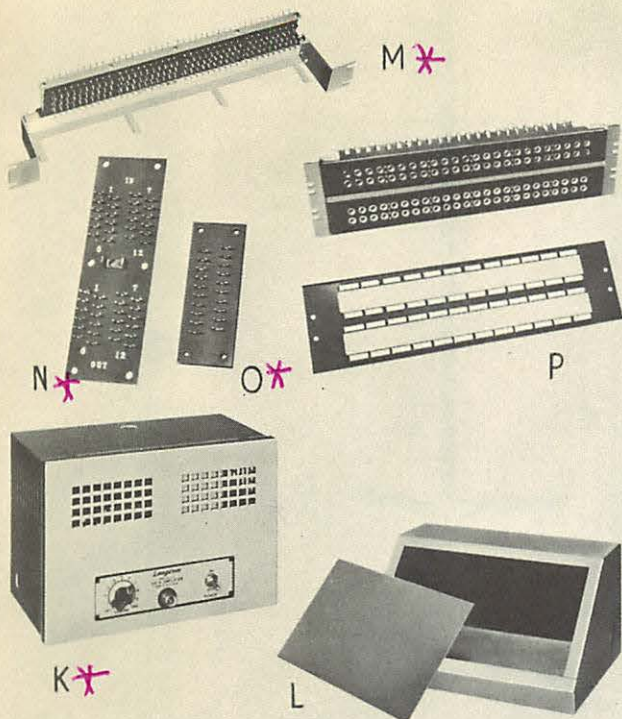
### Type 201-A Series Cabinet (H, see Panel)

Suitable for wall or shelf mounting Langevin 101, 113, 3101 series amplifiers or Type 3-A mounting frame. Constructed of 16 gauge bonderized steel with baked-on dark grey enamel finish. Eight knockouts are provided in the top and bottom for 1/2" wiring conduits. Cover secured to cabinet by means of thumb screws on each side of the unit. Two brackets are supplied for adapting this unit for wall or shelf mounting.

DIMENSIONS: (overall) WIDTH: 19 1/16"; HEIGHT: 12"; DEPTH: 12".

\* Discontinued

# ACCESSORIES



**Type 202 Series Cabinet**  
(J, see Panel)

Mounts any Langevin amplifier built on a 18 13/16" wide chassis such as the 128 series and is suitable for wall or shelf mounting. Supplied with brackets for wall mounting. Equipped with knockouts for 1/2" wiring conduit in top, bottom and back of cabinet. Constructed of 16 gauge bonderized steel or dipped aluminum and is finished in dark grey baked-on enamel.

DIMENSIONS: (overall) WIDTH: 19 1/16"; HEIGHT: 10 15/16"; DEPTH: 9".

**Type 204 Series Cabinet**  
(K, see Panel)

Suitable for wall or shelf mounting Types 102, 106, 111 or 114 series amplifiers, or 201 series rectifiers. Constructed of 18 gauge aluminum finished in dark grey baked-on enamel. Eight holes are provided in rear of cabinet for wall mounting. Cabinet equipped with snap-on cover. Knockouts are provided in the top and bottom for 1/2" wiring conduits.

DIMENSIONS: (overall) WIDTH: 11 1/2"; HEIGHT: 8"; DEPTH: 6 1/2".

**Type 1-A Cabinet**  
(L, see Panel)

Small cabinet with blank cover suitable for use as remote control cabinet, or mixer panel. Constructed of 16 gauge bonderized steel with a red primer paint finish (outer finish can be applied after cabinet has been assembled). Equipped with knockouts for wiring conduits.

DIMENSIONS: WIDTH: 9 1/2"; HEIGHT: 5"; DEPTH: 6 1/2".

## TERMINAL STRIPS

**Type 1-A**  
(O, see Panel)

Constructed of XP Natural Bakelite, equipped with 20 terminals. Terminal strip backed with fiberboard so that strip can be mounted flush against a chassis without grounding any of the terminals.

DIMENSIONS: 1 1/2" x 4". MOUNTING CENTERS: 2" x 3 1/2".

**Type 3-A**  
(M, see Panel)

Designed for rack mounting in standard 19" relay rack. Occupies 7 1/4" of rack space. Bracket constructed of 16 gauge bonderized steel, with baked-on light grey enamel finish.

Available as follows:

Type	Number of Terminals	Height Overall
3-A	80 terminals in 2 rows of 40 each	3 1/16"
3-B	120 terminals in 3 rows of 40 each	3 9/16"
3-C	160 terminals in 4 rows of 40 each	4 1/16"
3-D	240 terminals in 6 rows of 40 each	4 13/16"

**Type 4-A**  
(N, see Panel)

Constructed of XP natural bakelite, provides 48 terminals arranged in banks of twelve.

DIMENSIONS: LENGTH: 6 1/2"; WIDTH: 2"; DISTANCE BETWEEN MOUNTING HOLES: Long side, 3"; short side, 1 1/2".

## JACK STRIP ASSEMBLIES

**Type 1-A Jack Strip Assembly**

An assembly consisting of one W.E. Type #185 Jack Mounting (provisions for mounting 48 W.E. Type #218-A Jacks), special rack mounting brackets, and mat panel equipped with W.E. Type 90-A designation strips top and bottom. Occupies 3 1/2" of standard rack space.

**Type 2-A Jack Strip Assembly**  
(P, see Panel)

Assembly consisting of two W.E. Type #185 Jack Mountings (provisions for mounting 96 W.E. Type #218-A Jacks), special rack mounting brackets and mat panel equipped with 4 W.E. Type 90-A designation strips. Occupies 5 1/4" of standard rack space.

## MISCELLANEOUS

### 4-A Microphone Floor Stand

(Q, see Panel) \*

A heavy, substantial unit adjustable from 38 to 68 inches. Has 7/8-24 male thread. Equipped with 3-A adaptor for mounting microphone with 5/8-24 thread. Adaptors available for mounting other microphones (*see microphone adaptors*). Cast iron base equipped with rubber feet. Outer tube 1 1/8" in diameter, zincplated, bonderized, finished in aluminum grey baked-on enamel. Inner tube heavily chrome plated.

### Microphone Adaptors

(R, see Panel) \*

3-A (supplied with Langevin 4-A microphone floor stand) --- Adapts a W.E. 633, or W.E. 639-B microphone or a W.E. 442-A Jack (5/8-24 male thread) to a Langevin 4-A Microphone floor stand having a 7/8-24 male thread.

5-A adapts an RMA standard microphone female thread (5/8-27) to microphone stand having a 5/8-24 female thread.

7-A adapts a microphone having a 5/8-24 male thread to a standard RMA microphone stand having a 5/8-27 male thread.

### 600 Cycle Crossover Network

(S, see Panel) \*

A high quality 600 cycle Crossover or Dividing Network for use with wide range, two-way loudspeaker systems. Will handle peak powers up to 50 Watts and is intended for use in 16 Ohm voice coil circuits. Network is of the constant impedance type; provides 12 db attenuation per octave. Non-metallic construction minimizes distortion, losses and intermodulation; air core inductors are mounted on wooden dowels. This unit is equipped with an 8 db pad for high frequency attenuation in 2 db steps. Connections are made to screw driver type terminal board. Insertion loss, less than 1 db.

DIMENSIONS: LENGTH: 18"; WIDTH: 5"; HEIGHT: 5 1/2".

### I-A Remote Control Unit

(T, see Panel)

A complete, wired assembly for the remote volume control of four pre-amplifiers and a master gain stage. Equipped with four 4000 Ohm volume controls, and one 1700 Ohm volume control (for the master control position). Unit is housed in a slope front Type I-A Cabinet constructed of 16 gauge steel, finished in baked-on aluminum grey enamel. 25 feet of 7 conductor flexible cable supplied. Cabinet equipped with rubber feet.

DIMENSIONS: HEIGHT: 5"; WIDTH: 9 1/2"; DEPTH: 6 1/4".



### Loudspeaker Mounting Ring -- Dwg. #2115

(U, see Panel) \*

Accommodates standard 8" cone type loudspeaker. Suitable for *flush, ceiling or wall, mounting*. Constructed of heavy gauge aluminum. Supplied with deflector cup (as illustrated) if desired.

DIMENSIONS: Outside Diameter 10 1/4"; Inside Diameter 6 1/2".