

## INSTALLATION INSTRUCTIONS KT-19 NINETEEN STATION INTERCOM - KTU

### INSTALLATION

1. Fasten a connector ended (Red) 25 pair cable to the KT-19 cable plug. Secure connector with the clamp provided. Terminate cable on a 66-Type connecting block.
2. Mount the KT-19 in an apparatus cabinet equipped with 7"x1½" mounting space; or if cabinet space is not available, surface mount the unit directly to a plywood wall with round head wood screws.
3. Cross-connect T, R to all telephone, paging circuits, rotary dial KTU intercom, etc. See designation index on side of unit.
4. Connect B BAT and B GRD to key telephone system power supply.
5. Connect A BAT and A GRD to key telephone system power supply. Common all grounds. If transmitter feed current is supplied by another KTU such as a rotary dial intercom, do not connect A BAT and A GRD.
6. If A BAT and A GRD are connected, cross-connect L to all intercom station lamp circuits. Connect LB to key telephone system lamp power supply.
7. Leads LG and PC are dry contacts on the battery feed relay which can be used to control auxiliary units such as paging circuits. Connect LG to power supply GRD and PC to the auxiliary circuit.
8. Do not bridge the intercom to any line supplying a foreign source of power: CO, FX, PL, etc.
9. Cross-connect a B and R pair to each bell, buzzer, paging group (if equipped).
10. Connect signaling voltage to AUD SUP and GRD after all connections are complete and it is verified that the R leads are not shorted to ground.
11. When an intercom is connected to other units which add features, such as two-link operation, flashing lamps, and do-not-disturb, all associated units must be served by the same power supply and all grounds must be common.
12. Test the line lamps and signaling at all intercom stations.

### MAINTENANCE

1. No provision is made for field adjustment or repair.
2. If no output is detected, verify power connections and fuses. Check cable plug and connector.
3. Test the system by removing the cable from the back of the KT-19 and connecting it to a substitute unit.

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DESIG	STRAPS	ROW	COLUMN						STRAPS	DESIG
			A	B	C	D	E	F		
TIP		1	■	■	■	■	■	■		T-0,1
RING		2	■	■	■	■	■	■		R
LB		3	■	■	■	■	■	■		LG
L		4	■	■	■	■	■	■		L
LG		5	■	■	■	■	■	■		T-3,4
PC		6	■	■	■	■	■	■		R
BO		7	■	■	■	■	■	■		LG
RO		8	■	■	■	■	■	■		L
B1		9	■	■	■	■	■	■		T-5,6
R1		10	■	■	■	■	■	■		R
B3		11	■	■	■	■	■	■		LG
R3		12	■	■	■	■	■	■		L
B4		13	■	■	■	■	■	■		T-7,8
R4		14	■	■	■	■	■	■		R
B5		15	■	■	■	■	■	■		LG
R5		16	■	■	■	■	■	■		L
B6		17	■	■	■	■	■	■		T-9,20
R6		18	■	■	■	■	■	■		R
B7		19	■	■	■	■	■	■		LG
R7		20	■	■	■	■	■	■		L
B8		21	■	■	■	■	■	■		T-21,22
R8		22	■	■	■	■	■	■		R
B9		23	■	■	■	■	■	■		LG
R9		24	■	■	■	■	■	■		L
B20		25	■	■	■	■	■	■		T-23,24
R20		26	■	■	■	■	■	■		R
B21		27	■	■	■	■	■	■		LG
R21		28	■	■	■	■	■	■		L
B22		29	■	■	■	■	■	■		T-25,26
R22		30	■	■	■	■	■	■		R
B23		31	■	■	■	■	■	■		LG
R23		32	■	■	■	■	■	■		L
B24		33	■	■	■	■	■	■		T-27,28
R24		34	■	■	■	■	■	■		R
B25		35	■	■	■	■	■	■		LG
R25		36	■	■	■	■	■	■		L
B26		37	■	■	■	■	■	■		T-29
R26		38	■	■	■	■	■	■		R
B27		39	■	■	■	■	■	■		LG
R27		40	■	■	■	■	■	■		L
B28		41	■	■	■	■	■	■		
R28		42	■	■	■	■	■	■		
B29		43	■	■	■	■	■	■		
R29		44	■	■	■	■	■	■		
AUD GRD		45	■	■	■	■	■	■		
AUD SUP		46	■	■	■	■	■	■		
A GRD		47	■	■	■	■	■	■		
A BAT		48	■	■	■	■	■	■		
B GRD		49	■	■	■	■	■	■		LB
B BAT		50	■	■	■	■	■	■		LG

Figure 1 - Suggested Terminal Block Layout.

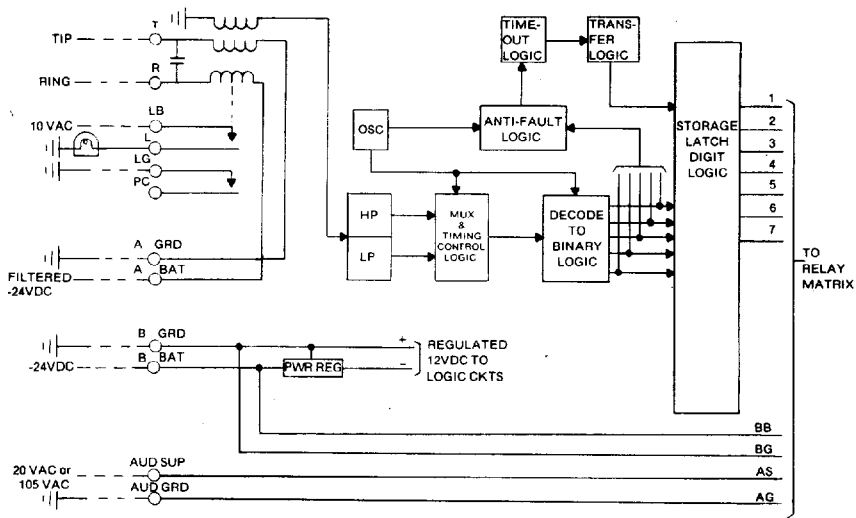


Figure 2 - Functional Schematic of KT-19.