TMC SPECIFICATION

REV: Ø			NO. S 1285
COMPILED: J Roberts	CHECKED:	APPD:	SHEET OF
TITLE:			

KIT 379

RECEIVER MODE LOCK

TMC SPECIFICATION			NO. S 1285
REV: Ø			
COMPILED:	CHECKED:	APPD:	SHEET 1 OF 6
TITLE: Receiver Mode Lock KIT 379			

1-1 FUNCTIONAL DESCRIPTION

The Technical Materiel Corporation Mode Lock KIT 379 is designed to be used in the COR-4B Radio Receiving System. The Mode Lock KIT 379 when installed in the COR-4B system becomes an integral part of the system to insure that the received mode is retained during the entire reception period.

1-2 PHYSICAL DESCRIPTION

The KIT 379 consist of plug-in relays K1 & K2 (RL156-2 12vdc) RL156-16(24vdc) respectively.

Each relay is mounted on the support bracket supplied and is pre-wired for for installation into an existing COR-4B receiving system.

NOTE

Relay K1 (marked RL156-2 on top of plastic relay cover) must be mounted in relay socket labeled K1. Correspomdingly relay K2 (marked RL156-16 on top of plastic relay cover) must be mounted in relay socket labelled K2

INSTALLATION

2-1 CDN-3A MODIFICATION (required to install KIT 379)

A. Remove AC power plug from J1008.

B. Disconnect cables connected to CDN-3A rear panel and remove CDN-3A from equipment cabinet.

C. Temporarily remove bottom cover to expose chassis components (J1002, TB1001, XK1002 and XF1002).

D. Add gray/white wire (supplied) from Pin (13) of J1002 to TB1001 terminal (4).

E. Disconnect existing 22 gauge RED wire that is connected between

relay socket XK1002 pins (1) and (6). Reconnect existing 22 gauge RED wire to XK1002 pin (6). Use RED wire supplied and connect it between XK1002 pin (1) and TB1001 terminal (12).

This completes the CDN-3A modification, check each step to insure connections have been properly made, replace bottom cover and secure CDN-3A back into equipment cabinet. (connect cables removed in step B)

2-2 INSTALLATION OF KIT 379 (as part of existing COR-4B system)

A. INTRODUCTION - The aforementioned KIT 379 provides Mode Lock for each receiver within the COR-4B Receiving System, therefore the Kit component mounting bracket should be mounted on the interface panel(s) for the associated individual receiver(s).

B. INSTALLATION - (Refer to Figure 2, Bracket Support)

Refer to Figure 2 and mark Support Bracket mounting holes on interface panel associated with modified CDN-3A. (Blank space is provided on the right side of each interface panel for the Kit support Bracket mounting), As viewed from rear of cabinet

C. Use CAUTION and drill the necessary holes for mounting the bracket (Insure that all other interconnecting cables are clear of drill bit).

D. After drilling holes mount bracket with hardware supplied in such a manner that relays can be plugged in from the top support bracket.

E. Refer to Figure 1 and connect the loose wires from relay sockets to TB1001 (CDN-3A) and interface panel.

F. Recheck all connections an insure all connections are correct and tight. (Plug relay K1 and K2 into the corresponding socket)

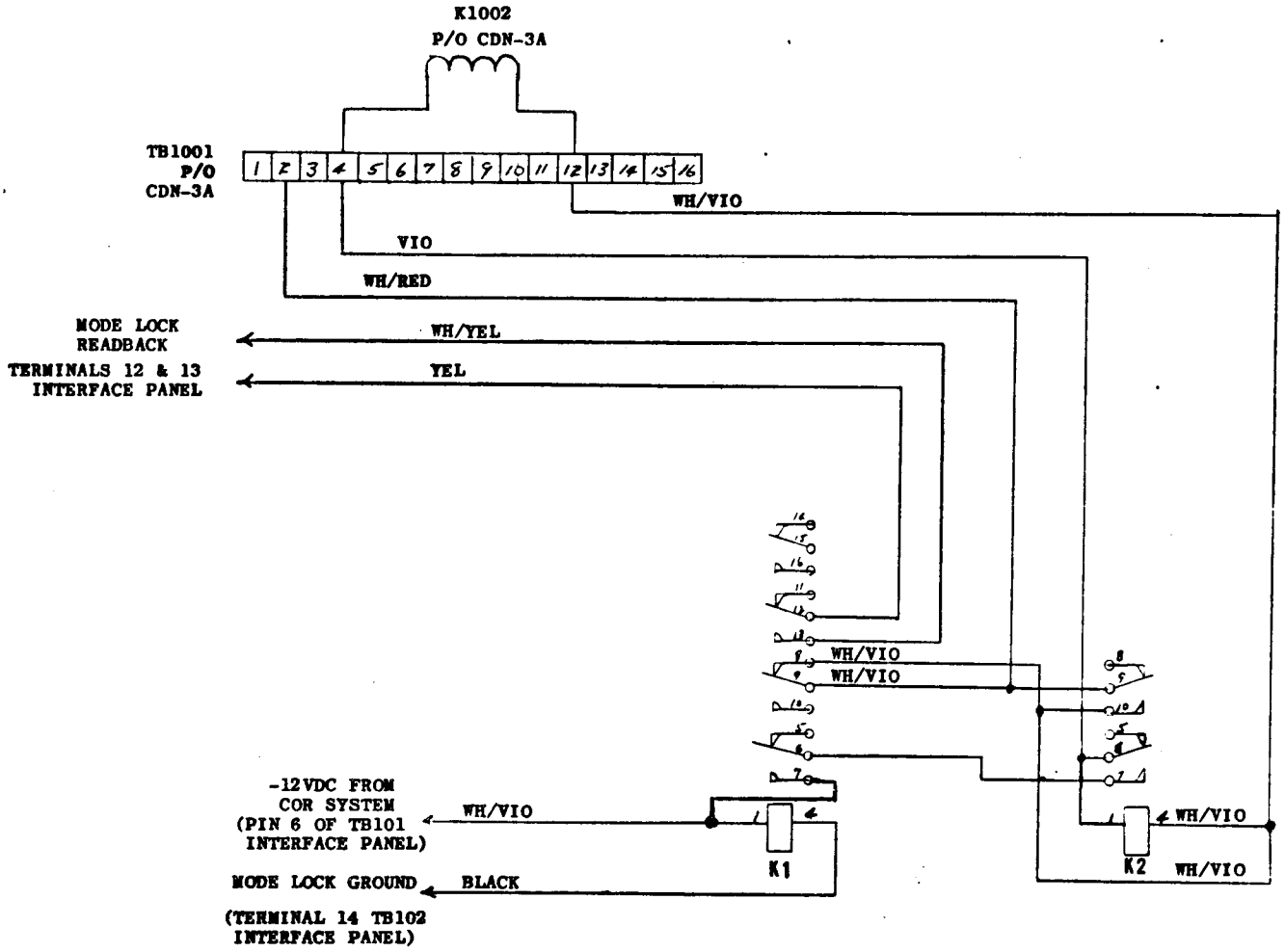
OPERATION OF KIT 379

Operation of KIT 379 consist of simply applying a ground at terminal 14 of TB102 on the interface panel for Mode Lock operation. This ground may be supplied via external or remote lines.

LIST OF MATERIAL SUPPLIED

When parts replacement are required refer to list below

TMC P/N	Description	Quantity
CK1910	Diagram, Schematic	1
LWE06MRN	Lockwasher	2
MS6250	Support Bracket	1
NTH0632BN8	Nut	2
RL156-2	Relay Armature (12vdc)	1
RL156-16	Relay Armature (24vdc)	1
SCPB0632BN5	Screw Machine	2
TS171-3	Socket Relay	2

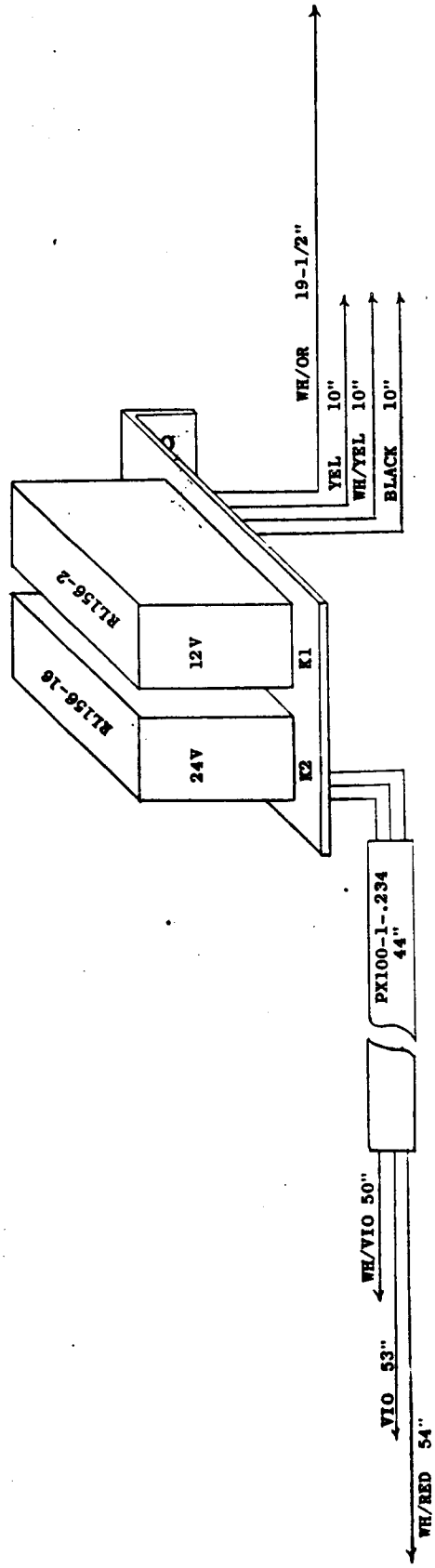


(CK1910)

FIGURE 1

INTERCONNECT DIAGRAM

(Sheet 1 of 2)



NOTE:

1. ALL LEADS 22 GAUGE
2. ALL LEADS TERMINATED WITH TE120-2.

FIGURE 1

(Sheet 2 of 2)

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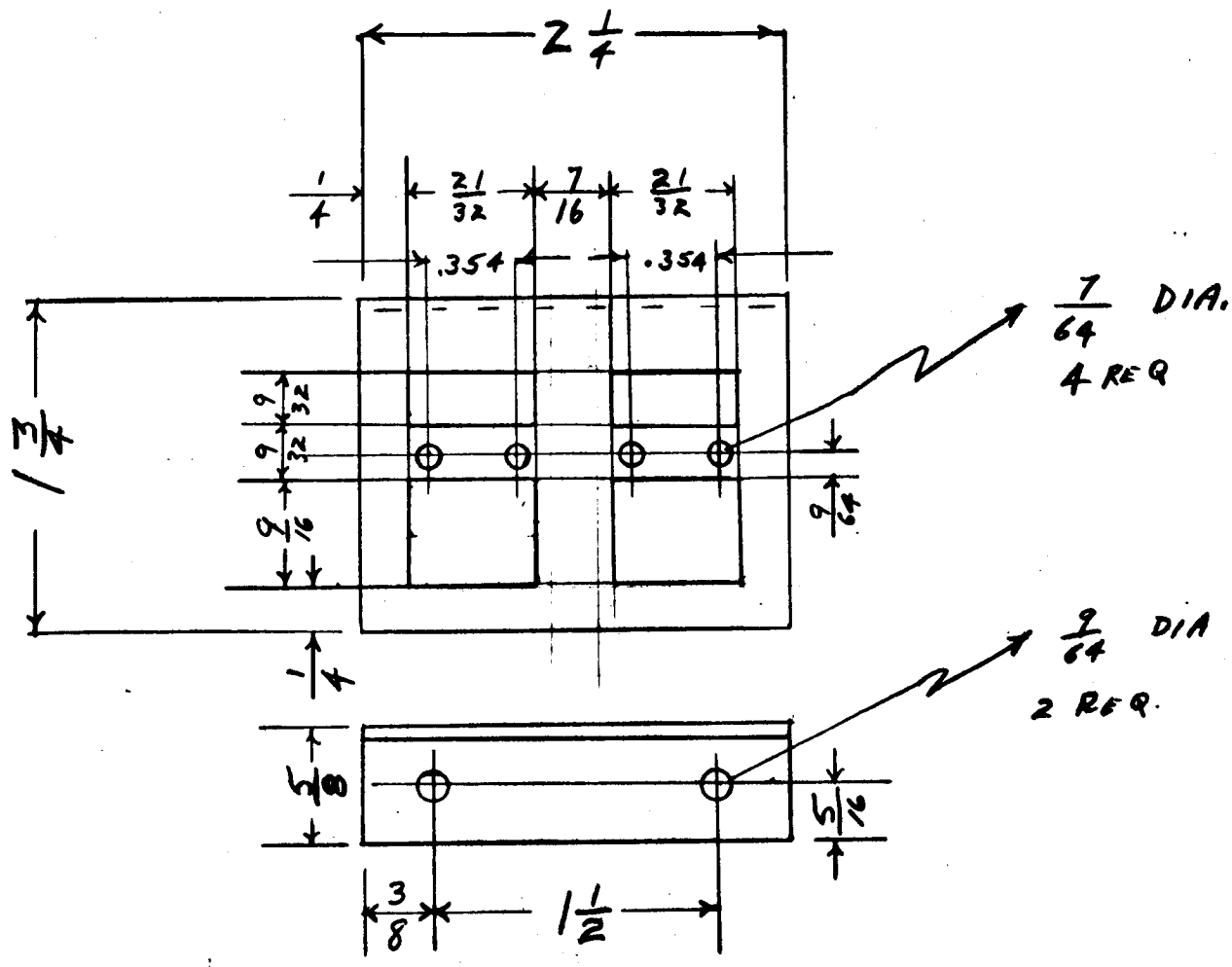

FIGURE 2

SUPPORT BRACKET

REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

S 1285
LIST NO.

DATE	REV.	SHEET	EMN #	DESCRIPTION	APP.
10/14/71	Ø			ORIGINAL RELEASE FOR PRODUCTION	

TMC FORM MLR-1 2-65—AINS.