

JERROLD

®

INSTRUCTION SHEET

435-172.1

RECEIVER ISOLATION NETWORK Model 1401-(*)

*Color-coded W, R, Y, G, or B
(white, red, yellow, green or blue).

Jerrold Model 1401 is a surface-mounted, non-resistive attenuator network used with RG-59-type cables. The unit provides compensation for signal attenuation at a particular point on a feeder cable and isolation between a receiver and the distribution system. See Fig. 1 for isolation and feed-thru losses in db at channels 2, 6, 7, and 13 for each Model 1401 color.

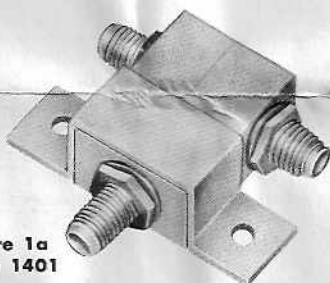


Figure 1a
Model 1401

ATTENUATION VALUES IN DECIBELS

Channel	White	Red	Yellow	Green	Blue	
2	34	27	22	19	16	Isolation Feed-thru
6	28	21	18	16	13	Isolation Feed-thru
7	26	17	14	11	9	Isolation Feed-thru
13	22	15	11	9	6	Isolation Feed-thru
	0.05	0.15	0.5	0.9	1.5	

Figure 1 Isolation & Feed-through Chart

CONTENTS OF PACKAGE

- (1) 1401 unit
- (3) C-52 shafts
- (3) 1051 ferrules
- (1) mounting bracket
- (2) mounting screws
- (1) instruction sheet

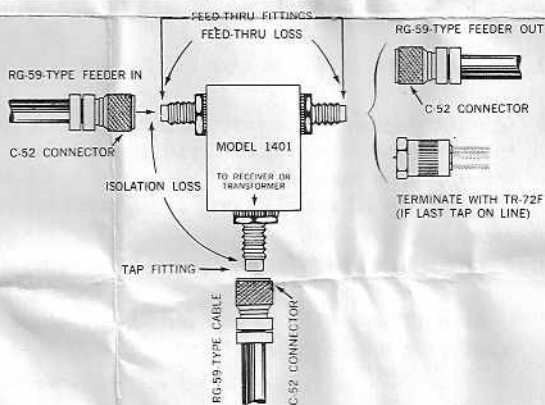


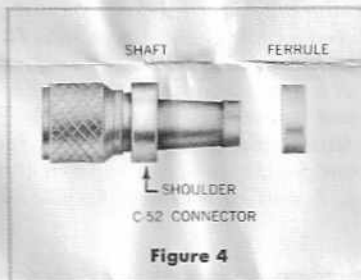
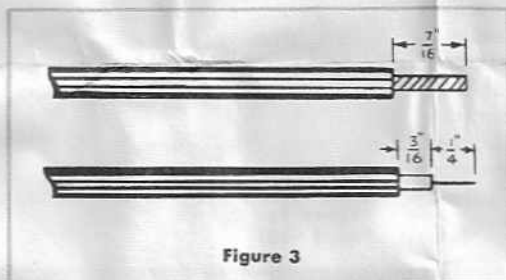
Figure 2

INSTALLATION INSTRUCTIONS

GENERAL

Tools and materials required include: Model 1401 package; sufficient RG-59-type cable to reach from Model 1401 to transformer or receiver; crimping tool (Jerrold Model PL-601 or 602); cable clamps; and a sharp knife. If unit is last tap on a feeder a terminating resistor (Jerrold Model TR-72F) is required. If receiver has a 300-ohm input impedance a 75 to 300 ohm transformer (Jerrold Model T-372, T-375, or T-377) is recommended. If unit is mounted outdoors a tube of good weather-proofing compound is recommended. See Fig. 2 for identification of components.

PROCEDURE



1. Prepare cable ends and attach C-52 connectors. See Fig. 3 and Fig. 4.
 - a. Strip off outer jacket $\frac{7}{16}$ " from end of cable.
 - b. Cut copper braid flush with outer jacket and strip insulator $\frac{1}{4}$ " from end of cable.
 - c. Place ferrule on cable and insert tapered end of C-52 shaft between insulator and braid. Push in until the outer jacket and braid butt against the shoulder of fitting. Be certain insulator fits snug to inside shoulder of fitting.
 - d. Move ferrule up to shoulder and crimp tightly with Model PL-601 or 602 crimping tool.
2. Mount Model 1401 on any flat surface with brackets and screws provided.
3. Connect feeder cable ends and prepared end of receiver connecting cable to fittings on Model 1401 and connect free end of the cable on the tap fitting to the receiver (if receiver has a 75-ohm input impedance) or to a transformer (if receiver has a 300-ohm input impedance).
4. Secure all cables with clamps so there is no strain on fittings.
5. If Model 1401 is installed outdoors, thoroughly cover all fittings with a good weather-proofing compound.

Data Subject to Change Without Notice

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Printed in U.S.A.