FREQUENCY-SHIFT RECEIVING TERMINALS
MODELS FSY.1 AND FSY.2

INTRODUCTION

Frequency-Shift Receiving Terminals Models FSY.1 and FSY.2 are designed to work in conjunction with one radio receiver or two in diversity for frequency-shift reception. These equipments are suitable for the reception of either hand or automatic radio-telegraph or radio-teleprinter signals. Phase modulation of 200 c/s can be accepted at low keying speeds.

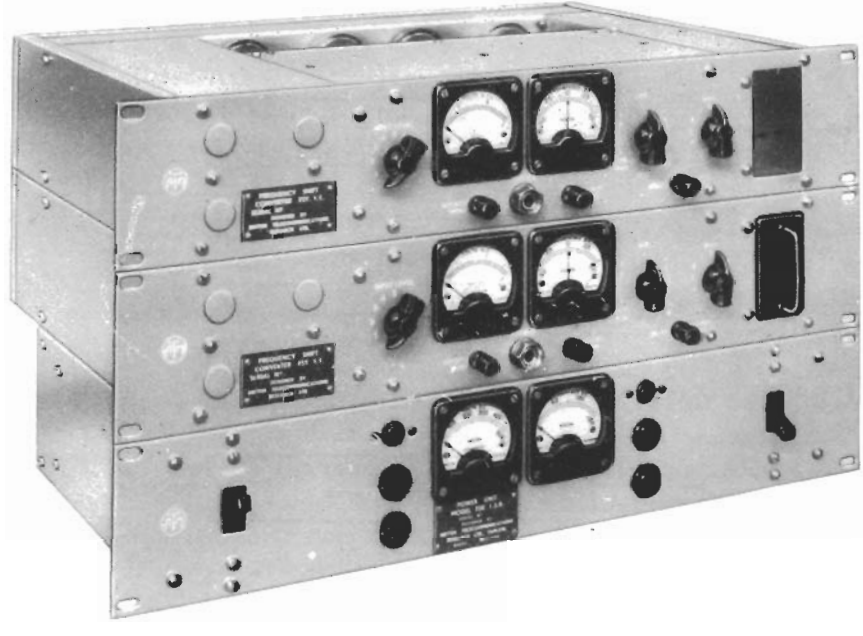
The terminals accept frequency-shift signals at audio frequency and filter, amplify and convert them to D.C. signals by means of a telegraph relay for the operation of teleprinters, tape recorders etc.

Large differences in the shift employed, and appreciable drift of the centre carrier frequency can be accepted.

Model FSY.1 consists of one converter unit and one power unit and is for use with a single receiver, Model FSY.2 consists of two converter units and one power unit and provides for dual, space, polarity, or frequency diversity reception.

All converter and power units have front panels 3½ inches high suitable for mounting on international 19 inch racks or in table cabinets. All controls are mounted on the front panels.

A photograph of Terminal FSY.2 is shown in Figure 1.



FREQUENCY-SHIFT RECEIVING TERMINALS MODELS FSR.1 AND FSR.2.

INTRODUCTION

Frequency-shift Receiving Terminals Models FSR.1 and FSR.2 are designed respectively to work in conjunction with one radio receiver or two in diversity for frequency-shift reception. Any conventional type of stable receivers may be used. These equipments are suitable for the reception of either hand or automatic radio-telegraph or radio-teleprinter signals with or without 200 c/s phase modulation. The terminals are also suitable for the reception of facsimile signals when the modulation is similar to that of high-speed telegraphy. The maximum keying speed is determined by a post-demodulator low-pass filter.

The terminals accept frequency-shift signals at audio frequency and filter, amplify, and convert these signals to D.C. impulses via a telegraph relay for the operation of teleprinters, tape recorders etc.

Large variations in shift, and drift of the carrier frequency can be accepted.

Model FSR.1 consists of one converter unit and one power unit and is for use with a single receiver. Model FSR.2 consists of two converter units and one power unit and provides for dual, space or frequency, diversity reception. Both converter units and power units have 3 1/2" high front panels suitable for mounting on international 19" racks or in table cabinets. All controls are mounted on the front panels.

A photograph of Terminal Model FSR.2 is shown in Figure 1.