Frequency Shift Keyer Equipment FSD is used to replace the exciter of a c-w transmitter with a source of r-f excitation that can be shifted in frequency a small value (higher and lower) to produce telegraph or facsimile signals corresponding to the signals at the keyer input. This frequency-shift method minimizes selective fading, interference, and static disturbances, thereby assuring high fidelity of transmission.

It is used at long distance transmitting stations to improve transmission.

Four preset crystal-controlled oscillator frequencies are provided.
MAJOR COMPONENTS

<table>
<thead>
<tr>
<th>QUANT</th>
<th>NAME OF COMPONENT</th>
<th>DIMENSIONS (IN) INSTALLED</th>
<th>WEIGHT (LBS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Frequency Shift Keyer CYY-35065</td>
<td>15-3/4 x 19 x 12-1/2</td>
<td>65</td>
</tr>
<tr>
<td>1</td>
<td>Rectifier Power Unit CYY-20349</td>
<td>8-3/4 x 19 x 12</td>
<td>30</td>
</tr>
</tbody>
</table>

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shore stations.

INSTALLATION: Ground.

CAN COMMUNICATE WITH: This is signal-modifying equipment used in conjunction with primary communication apparatus.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 2 - 5.

TYPE MODULATION: Fm.

TYPE OF SIGNALS: Frequency-shift keying.

POWER OUTPUT: 1.5w.

POWER REQUIREMENTS: 110 / 260 v, 60 cyc, 1 phase, ac.

PHYSICAL CHARACTERISTICS

Frequency Shift Keyer Equipment FSD measures 24-1/2 x 19 x 12-1/2 inches.

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