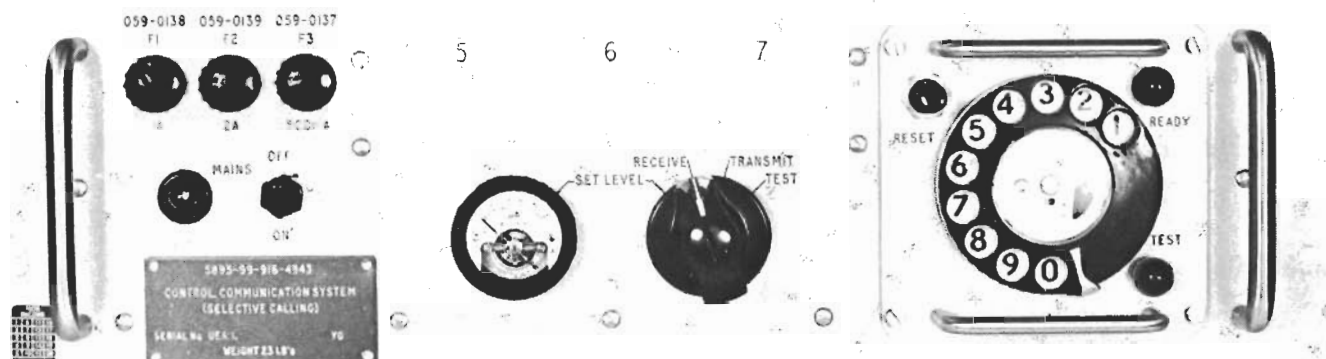


5895-99-916-4943

SUMMARY OF DATA



PURPOSE

The outfit provides coded selective calling and responding facilities between a possible 1000 station addresses on a radio network or line network. A station may also make a collective call to all other stations of a group.

BRIEF FUNCTIONAL DESCRIPTION

To transmit a selective call an operator dials the identity code of a selected station. The initial movement of the dial may be used to switch on a transmitter associated with the outfit, allowing reception of the carrier frequency at the remote station and providing sufficient time for the receiver A.G.C. circuits to stabilise before the receipt of the selective call. Full dialling operation keys the associated cw carrier (or modulates a voice transmitter at 1 kHz) with the selected code signal. The received radio signal activates the responding circuits of the required remote station to give an alarm indication.

The local unit is then set manually to RECEIVE. An internal connection sets the local code for the first digit (normally 0) and three preset switches set the remaining digits. These latter are accessible from the front panel which also has visual indicators. After an alert the unit is returned to the normal responding mode by resetting a push-button.

In addition to individual station selection a code setting is provided for the inclusion of a group by an 'all-stations' call. The code setting for this purpose is usually the 'clear signal' first digit followed by another digit repeated thrice.

For test purposes the external lines are disconnected and the unit output is fed back to its input.

PHYSICAL DATA

Height	Width	Depth	Weight
5½ in. (26.6 cm)	19 in. (48.5 cm)	10 in. (25.5 cm)	23 lb (10 kg)

ELECTRICAL CHARACTERISTICS

Input : 1 mW into 600 ohms (balanced but not earthed) having not less than 5 kohms impedance at 300 Hz to 3 kHz.

Sensitivity : ± 10 dBm

Signal/Noise : 6 dB or better

Meter : 0-500 μ A. At SET LEVEL there is centre scale deflection for 0 dB input at 1 kHz \pm 50 Hz

Alarm Switch : Two-pole relay contacts. 1 A at 50 V a.c. or d.c.

Tx. Switch : Single-pole relay contacts. 300 mA at 50 V.

Identity Code : The first digit is a preset internal connection. The second, third and fourth digits are selected by three switches at the front.

Calling Period : 10 seconds from dialling the first digit.

POWER REQUIREMENTS

100 V or 250 V, 48 to 61.5 Hz a.c. Consumption less than 250 VA.

HANDBOOK

BR 2486 Handbook for Selective Calling and Responding Outfit SPA.

ESTABLISHMENT LIST

E1482

INSTALLATION SPECIFICATION