

SLEEVE RELAYS
 UNIVERSAL CORD CIRCUIT
 NO.10 OFFICE

1. GENERAL

1.01 This addendum, which supplements Section A235.015, Issue A, is issued to cover the use of the No. 102613 current flow test set in No. 10 offices where the No. 35-C test set is not available.

1.02 Paragraphs 3.02 to 3.12, inclusive, and 4.02 of the section are replaced by this addendum. Paragraphs 2.05, 2.06 and 2.07 should be disregarded and paragraph 2.08 added, when using this test set.

1.03 The schematic arrangement showing the application of the No. 102613 test set in testing a universal cord circuit is shown in Fig. 1 of this addendum.

2. APPARATUS

2.08 One spare switchboard cord equipped with a No. 110 plug.

3. TEST SET PREPARATION

3.02 Before using the current flow test set, care should be taken to see that all resistance is cut in to avoid damaging the milliammeter. On the No. 102613 test set, all resistance is cut in when all slides are to the extreme right. Care should be taken to see that the scale change key, designated 30M is not depressed unless the reading on the normal (.150 ampere) scale indicates that the current flow in the circuit does not exceed .030 amperes. Before operating the 30M key, a current flow, which approximates the desired value should be set up on the normal (.150 ampere) scale of the milliammeter. The position of any of the red slides should not be changed while the 30M key is in an operated position. These precautions will keep the current value within the limits of the milliammeter scale used, thus avoiding damage to the milliammeter.

3.03 Arrange the test set keys and switches as shown in Fig. 1 of this addendum.

3.04 Provide ground connection to the current flow test set by means of a spare switchboard cord equipped with a No.110 plug. Connect the tip conductor to the switchboard framework and insert the plug in the MIL. Jack of the test set as shown in Fig. 1-A.

3.05 To operate the tone control relay of the G-2108 test circuit, insert the plug of a spare switchboard cord into an adjacent CON Jack and connect the sleeve of the cord to battery.

3.06 Patch the SIG Jack of the current flow test set to the CON Jack of the G.2108 test circuit by means of the No.P3E Cord.

3.07 Insert the cord under test into the TEST Jack of the current flow test set and the other cord of the pair in the TERM Jack of the test circuit.

Note: When the portable type a-c. continuity test set is employed, see note, associated with paragraph 2.02 and Fig. 1-B.

3.08 Insert the cord of the test receiver in the REC jack of the a-c. continuity test circuit.

3.09 Busy Test Relay: Depress key No.4, move the associated No.4 resistance slides to the left until the approximate specified TEST "non-operate" value for the busy test relay is observed on the milliammeter. After the approximate value is obtained, operate the 30M key and check the accuracy of the reading on the .030 ampere scale. Make any further changes in the No.4 resistance slides which may be necessary to obtain the exact specified TEST "non-operate" value.

3.10 With key No.4 depressed, depress key No. 3 and move the associated No.3 resistance slides to the left until the approximate specified TEST "operate" value for the busy test relay is observed on the milliammeter. After the approximate value is obtained, depress the 30M key and check the accuracy of the reading on the .030 ampere scale. Make any further changes in the No.3 resistance slides which may be necessary to obtain the exact specified TEST "operate" value.

3.11 Battery Control Relay. With key No.4 depressed, depress key No.2 and move the associated No.2 resistance slides to the left until the specified TEST "non-operate" value for the battery control relay is observed on the milliammeter.

3.12 With key No.4 depressed, depress key No. 1 and move the associated No.1 resistance slides to the left until the exact specified TEST "operate" value for the battery control relay is observed on the milliammeter.

4. METHOD

4.02 Holding key No.4 closed proceed with the test.

