

14 TYPING REPERFORATOR
(NONINTERFERING TAPE FEED-OUT)

DESCRIPTION

1. GENERAL

1.01 This noninterfering circuit is arranged for receiving-only typing reperforators not equipped with a line relay, and operating at 60 or 75 speed. Automatic transmission must be used.

2. FEATURES

2.01 The following features are provided:

- (1) This is a true noninterfering feed-out arrangement which will not lose the first character transmitted while the feed-out is functioning.
- (2) No additional conductors are required as control circuits.
- (3) The sending station is not required to transmit any special feed-out characters or to delay the start of a message in order to provide time for the feed-out operation to function.
- (4) It cannot be used on sending-receiving typing reperforators or on a unit equipped with a line relay. If a line relay is required it must be mounted externally or associated with the tape feed-out control circuit.
- (5) The control equipment may be mounted on a rack, in an equipment cabinet or a 105-type apparatus box as shown in Figure 1.

3. OPERATION

3.01 Refer to Figure 2. The normal idle condition occurs with the relay in the control unit operated to marking; the slow release relays are released, the metering magnet is operated, and the feed-out magnet is released.

3.02 On receipt of the first start pulse of a message, the line relay (L1) releases, which operates the slow release relay (B). The slow release relay (B) releases the metering magnet and permits the contacts of the microswitch to close. When the line relay reoperates, the slow release relay (A) operates. The line relay follows the signals but the slow release relays remain operated.

3.03 At the end of the message the line relay remains operated and, after about 1/2-second, relay (B) releases, which in turn releases relay (A). A circuit is then closed to operate the feed-out magnet, and the feed-out operation takes place at a rate of approximately 580 operations per minute for 75 speed. The metering magnet also reoperates when relay (A) releases.

3.04 When the time-out mechanism functions (with the metering magnet operated) the microswitch contacts open, the feed-out magnet releases, and the feed-out stops.

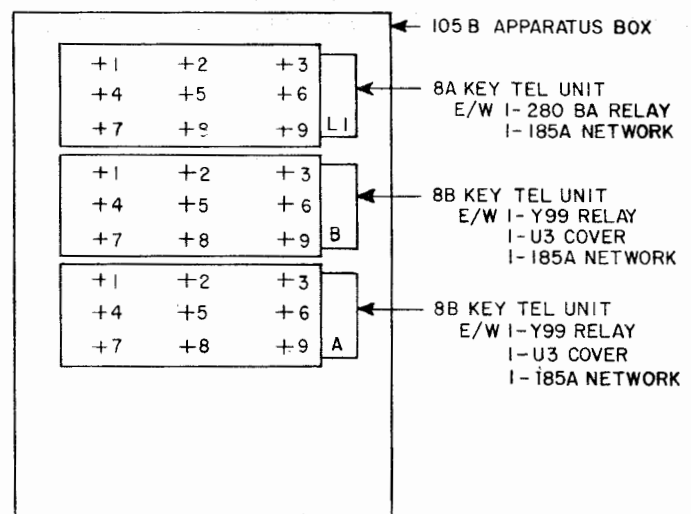


Figure 1

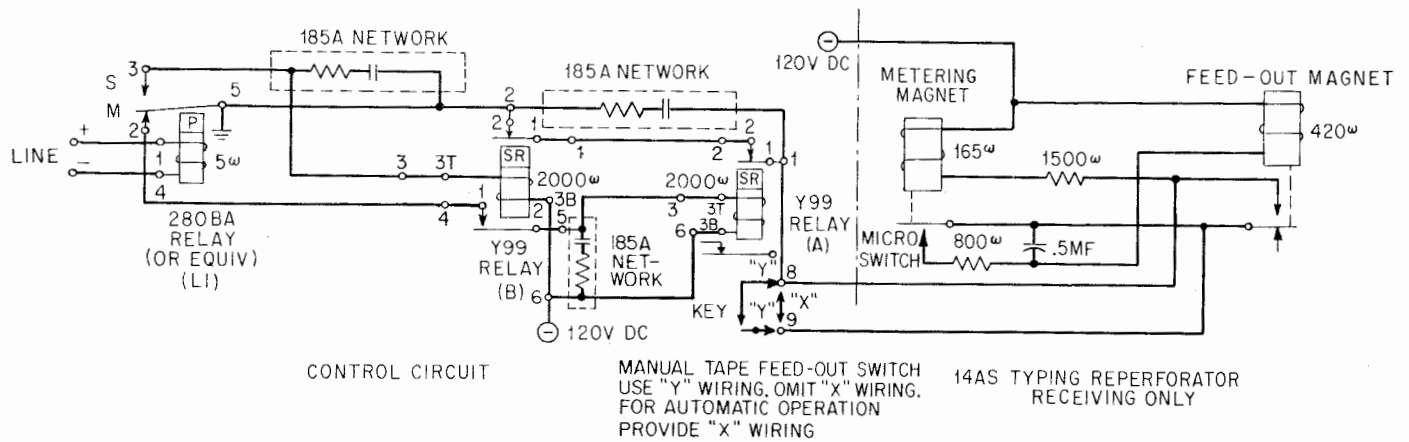


Figure 2 — 14-Type Typing Reperforator
Noninterfering Tape Feed-out Circuit
for 14AS Typing Reperforator

3.05 If signals are received during the feed-out operation the first open in the line circuit will cause the line relay to release and the slow release relays to operate, which stops the feed-out immediately. If a LTRS feed-out character is in the process of being perforated, it will be completed before the selected character is ready

to be perforated, thus providing the noninterfering feature.

3.06 Minimum and maximum adjustment for feed-out is 4 inches to 40 inches respectively.