

THERMAL RELAYS

KS-16022, KS-16195, AND KS-16388 TYPES

REQUIREMENTS AND ADJUSTING PROCEDURES

1. GENERAL

1.01 This section covers the KS-16022-, KS-16195-, and KS-16388-type relays.

1.02 This section is reissued to add KS-16388-type relays. Detailed reasons for reissue will be found at the end of the section.

1.03 Reference shall be made to Section 020-010-711 for additional information necessary for the proper application of the requirements listed herein.

2. REQUIREMENTS

2.01 *Timing Requirements* (KS-16022- and KS-16195-type Relays): The relay shall meet the timing requirements specified on the circuit requirement table.

Use the J24753A timing test set or the KS-3008 stop watch, as required.

2.02 *Electrical Requirements* (KS-16388-type Relay): The relay shall meet the requirements specified on the circuit requirement table.

Use the 35-type test set with the J24753A timing test set or the KS-3008 stop watch, as required.

3. ADJUSTING PROCEDURES

3.001 *List of Tools and Test Apparatus*

CODE OR SPEC NO.	DESCRIPTION
TOOLS	
KS-6854	Screwdriver
TEST APPARATUS	
KS-3008 or equivalent	Stop Watch
or	
J24753A	Timing Test Set
35 Type	Test Set

3.01 *Timing Requirements* (KS-16022- and KS-16195-type Relays) (Rq 2.01)

(1) Fig. 1 — If the relay fails to meet the timing requirements, insert the KS-6854 screwdriver through the adjusting screw hole in the top of the relay and turn the adjusting

screw as follows. To decrease the operate time, turn the adjusting screw clockwise slightly. To increase the operate time, turn the adjusting screw counterclockwise slightly. If the relay cannot be adjusted to meet the requirements, replace it.

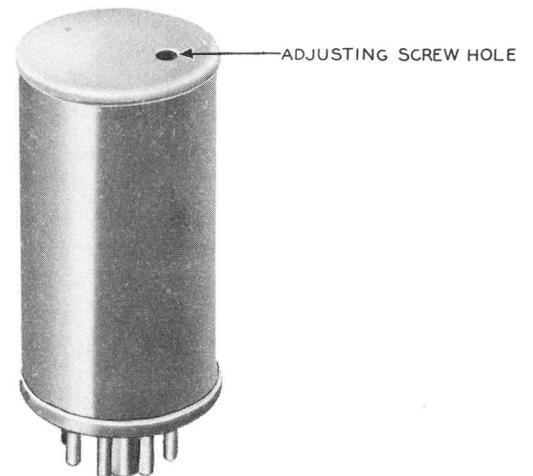


Fig. 1 — KS-16022-type Relay

3.02 *Electrical Requirements* (KS-16388-type Relay) (Rq 2.02)

(1) Fig. 1 — If the relay fails to meet the operate or nonoperate requirement, insert the KS-6854 screwdriver through the adjusting screw hole in the top of the relay and turn the adjusting screw as follows. To meet the operate requirement, turn the adjusting screw clockwise slightly. To meet the nonoperate requirement, turn the adjusting screw counterclockwise slightly. If the relay cannot be adjusted to meet the requirements, replace it.

REASONS FOR REISSUE

1. To add an electrical requirement for the KS-16388-type relay (2.02).
2. To revise the list of tools and test apparatus (3.001).
3. To add an adjusting procedure for the KS-16388-type relay (3.02).