

WARRANTY

The AGASTAT time delay relay is warranted against mechanical and electrical defects for a period of one year from date of shipment from factory if it has been installed and used in accordance with factory recommendations. New parts will be furnished free of charge in exchange for parts which have proved defective. The furnishing of these parts shall constitute fulfillment of the Company's obligations and liabilities.

installation information
about

AGASTAT[®]

time / delay / relay



MOUNTING INSTRUCTIONS

TIMING ADJUSTMENT

CONTACT ARRANGEMENT

TERMINAL CONNECTION

AGA
DIVISION

ELASTIC STOP NUT CORP. OF AMERICA

ELIZABETH

NEW JERSEY

50M 4-57 MC

Printed in U.S.A.

INSTALLATION DATA

Mount relay in vertical position (unless horizontal mounting was specified and is so noted on the front of the unit.) Using four mounting holes tapped in back of coil box. Mounting screws must not protrude into coil box more than 3/16ths of an inch; otherwise coil will be damaged.

TIMING ADJUSTMENT

There are two types of adjustment, needle valve, which is designated by NE for AC units; NF for DC intermittent units; and ND for DC continuous units, and Dial head adjustment designated by DE for AC units, DF for DC intermittent and DD for DC continuous.

NEEDLE VALVE ADJUSTMENT

AGASTAT relays are factory adjusted to the delay specified. If no delay has been specified, it is set at a 10 seconds delay. (Approx.)

To change this adjustment, turn the adjusting screw slowly to the RIGHT to increase the length of the time delay, and to the LEFT to decrease the length of the time delay, as indicated by the words "increase" and "decrease" on rubber cap.

Complete turns of the screw should rarely, if ever, be made. Adjustment should be gradual.

DIAL HEAD ADJUSTMENT

The dial head provides a new and easily calculated method of adjustment. The dial is lettered so that calibration can easily be made.

The complete range of adjustment is accomplished with one revolution of the dial. There are four variations of the dial head, each with a different timing range. They are color coded in the following manner:

W — White — from 0.1 second to 10 seconds

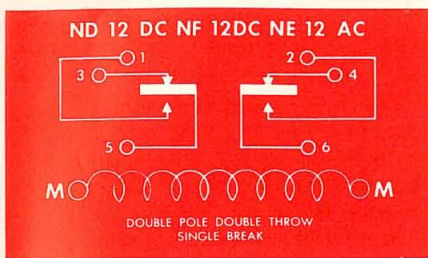
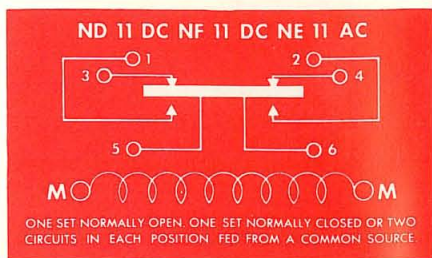
Y — Yellow — from 0.1 second to 30 seconds

R — Red — from 10 seconds to 3½ — 4 minutes

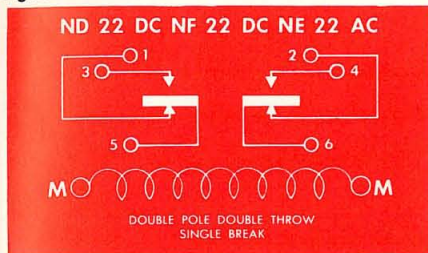
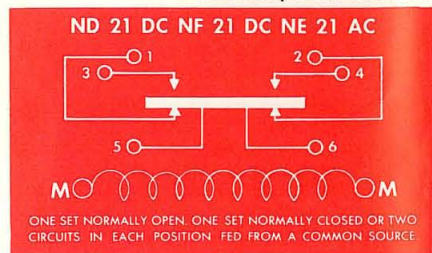
B — Blue from 30 seconds to 15 minutes

All units are adjustable within these ranges— If your relay has a dial adjustment one of the above code letters will be contained in the type number specified on the decal. Each dial is lettered from "A" thru "E" with "O" as the zero mark. Increase in adjustment is made by turning the dial to the RIGHT (clockwise). To decrease turn the dial to the LEFT (counter-clockwise.) The lowest reading will be obtained at "O" and the highest at "E" plus 2.

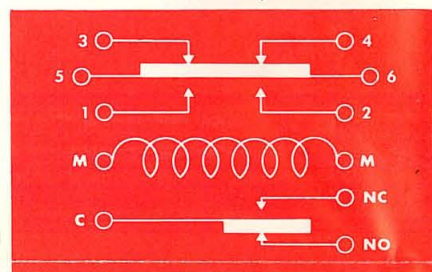
CONTACT ARRANGEMENTS AND TERMINAL CONNECTIONS



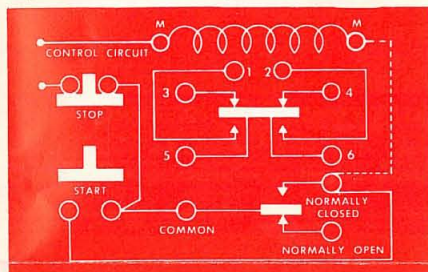
Time delay starts when coil is energized—control circuit closed



Time delay starts when coil is de-energized—control circuit opened

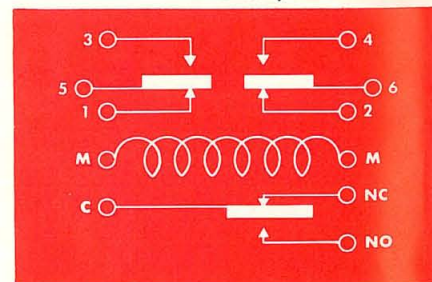


Wiring diagram Model NET-11 & NDT-11 and DET-11 & DDT-11. Also available in double pole.

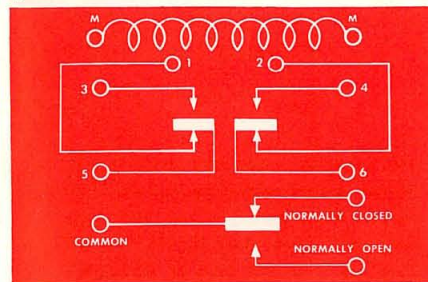


Dotted line represents jumper wire connected between "M" (coil) and N.C. contact of the microswitch when electrical interlock is desired. For models NEL-11, NFL-11, Also available in double pole.

Time delay starts when coil is energized—control circuit closed



Wiring diagram Model NET-22 & NDT-22 and DET-22, DDT-22. Also available in single pole.



NEH-22 Type 2-DPDTSB. Also available in Single Pole.

Time delay starts when coil is de-energized—control circuit opened

CONTACT RATING

Contact ratings below are based on resistive loads, and do not include lamp loads.

0- 32 Volts, DC
 110-220 Volts, DC
 115 Volts, 60 cycle
 230 Volts, 60 cycle
 440-550 Volts, 60 cycle

SINGLE BREAK
 5 amperes
 .1 amperes
 5 amperes
 3.3 amperes
 1.6 amperes

DOUBLE BREAK
 10 amperes
 .2 amperes
 15 amperes
 10 amperes
 5 amperes

Contacts 1, 2, 3 and 4 are of rigid type which is standard. Flexible contacts can be furnished at a small extra cost. If circuit requires use of N.C. contacts as in a Model NE11, for instance, flexible contacts are necessary to assure contact continuity. All contacts are made of fine silver.