

INSTALLATION

Mount relay in vertical position (unless horizontal mounting was specified and relay is marked "HORIZONTAL") using four 8-32 screws installed from back of panel in tapped mounting holes. Screws should not project more than 3/16 inch into coil box to prevent damage to coil. If mounting bracket or plate accompanies relay, this should first be attached to back of coil box, after which the unit may be front-mounted to the panel.

OPERATING VOLTAGE

Check the type designation for proper operating voltage before energizing unit.

NE, FE, DE=A.C. Units

NF, FF, DF=D.C. Intermittent Units

ND, FD, DD=D.C. Continuous Units

TIMING ADJUSTMENT

Needle Valve Units are adjustable from .2 second to 3 minutes or more. Your AGASTAT has been factory adjusted to the delay specified; if no delay was specified, it was set for an approximate 10 seconds delay.

To change this setting, turn the adjusting screw SLOWLY clockwise to increase the time delay, counterclockwise to shorten it, as indicated by "increase" and "decrease" on the timing head. Turn the screw only a fraction of a revolution before each timing check for best results.

Dial Head Units provide a full range of adjustment with one revolution of the dial. Color-coded dials identify the following linear adjustment ranges:

Dial Color	Model Code	Linear Adj. Range
Special Green	SG	.10 to 1 sec.
Green	G	.5 to 3 sec.
White	W	1.5 to 9 sec.
Yellow	Y	2.5 to 25 sec.
Special Red	SR	5.0 to 100 sec.
Red	R	10.0 sec. to 5 mins.
Blue	B	30.0 sec. to 15 mins.

All units provide linear adjustment within these ranges; shorter absolute time settings or longer times, up to double those listed, may be obtained on individual units.

Each dial is lettered from "A" through "E", with "O" as the zero mark. To increase the time delay period, turn the dial clockwise; to shorten the time, turn dial counterclockwise. Longest time will be obtained at "E" end of scale, shortest at "A" end. Dials may safely be turned past "O" in either direction, although a "dead zone" will occur between "E" and "O".

CONTACT CAPACITY

Ratings are Based on Resistive Loads

Nominal Operating Voltage	Single Break	Double Break
28 volts D.C.	10 amps	20 amps
110 volts D.C.	1 amp	2 amps
220 volts D.C.	.5 amp	1 amp
120 volts 60 cycle	10 amps	20 amps
240 volts 60 cycle	5 amps	10 amps
480 volts 60 cycle	2.5 amps	5 amps

Inductive and capacitive loads should not have inrush currents that exceed five times normal operating load.

Contact life is contingent upon the number of operations and the load on the contacts.