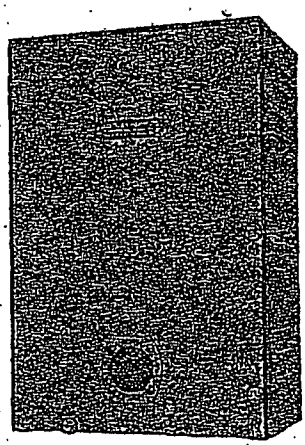
JANUARY, 1952
Supersedes issue September, 1943

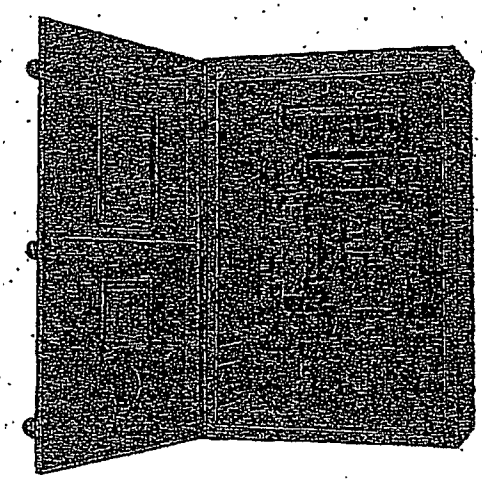
Navy Control

BULLETIN 6942

D-c Magnetic Controllers
For Use on Surface Vessels



SIZE 1 DRIP PROOF NON-REVERSING CONTROLLER ARRANGED FOR REMOTE CONTROL



SIZE 1 DRIP PROOF NON-REVERSING CONSTANT SPEED CONTROLLER WITH DOOR OPEN SHOWING PANEL ARRANGEMENT.

Service Class...Navy A.

Specifications...Designed to meet the requirements of Service A of Department of Defense Specification MIL-C-2174, dated May 9, 1950.

Enclosure.....Drip proof and Spraytight types.

Operation.....Magnetic.

Type.....Size 0 — Across-the-line.
Sizes 1 to 7—Resistor.

Function.....Non-reversing type.
Motor starting.
Motor starting and speed regulation by field control.

Reversing type.
Motor starting and reversing.
Motor starting, reversing, and speed regulation by field control.

Duty.....Continuous.

Protection.....Low voltage protection and low voltage release types.

Overload Protection:

Sizes 0 to 3 incl., thermal type relay.
Compensation—change in rating does not exceed 3% for each 10° C change in ambient between 20° C and 70° C.

Adjustability — Adjustable from 90% to 110% of relay rating.
Type of reset — hand.

Sizes 4 and larger, magnetic, time lag type relay.

Compensation—Rating does not change with change in ambient temperature.

Adjustability — Adjustable from 110% to 200% of overload coil rating.

Type of reset — automatic with 3 wire control and electrical with 2 wire control.

Performance....Semi-automatic or automatic (depending upon type of master switch used).

Ambient Temp...40° or 50° C.

Insulation.....Class B, except contactor coils Class A.

Emergency Run Optional, by separate emergency run button.

Continued

CUTLER 97/399
12/1/2005

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