A-c Magnetic Across-the-Line Starters (Continued)

Description (Continued)

to the main contactor coil closed under normal conditions and under shock. The relay also operates a mechanical latch which prevents the contactor from closing due to shock when the relay magnet is de-energized.

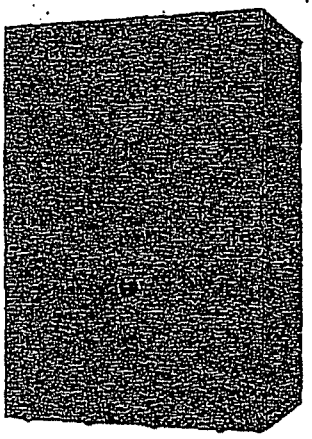
Overload protection is provided by the use of an adjustable thermal overload relay. This relay is reset manually from the exterior of the enclosing case by depressing the "reset" button. When the full load motor current exceeds the ampere rating for which heater coils are available, current transformers are used in conjunction with the thermal overload relay—and heater coils of the proper rating are connected into the secondary circuit of the current transformer.

All insulation used in the construction of the various starter components, except for operating coils, is of the mineral filled (MF) or glass melamine (GMG) type which is satisfactory to meet the requirements under Class B insulation. Shunt type operating coils for the various components are of Class A construction, vacuum impregnated.

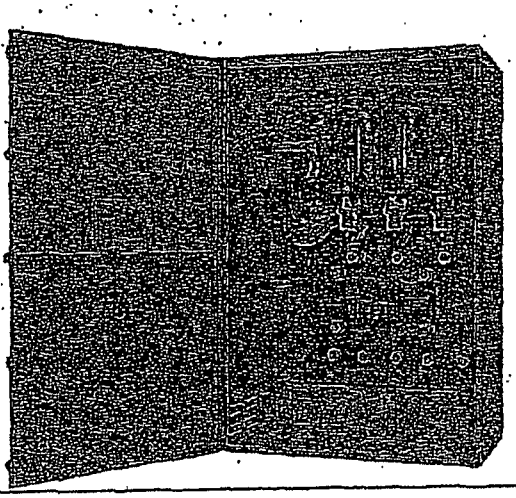
Reversing type controllers consist essentially of the same components used on non-reversing starters, except that they incorporate two directional contactors mechanically and electrically interlocked in place of the single non-reversing contactor.

Non-reversing dripproof starters of various sizes can be furnished with local control mounted in and/or operated from the front cover of the enclosure. Other starters are usually provided with a fused pilot circuit and arranged for operation from remote master stations. Additional pilot circuit fuses may be required and specified for external circuits to pilot lights, accessories, etc.

The control panel either of sheet steel or insulated construction is arranged to be removed easily from the enclosing case. Controllers can be provided with either dripproof or spraytight enclosures arranged for bulkhead mounting. Special controllers, if they incorporate many additional components may in some cases be required to be furnished in deck mounting enclosures.



SIZE 6 DRIPPROOF NON-REVERSING STARTER ARRANGED FOR REMOTE CONTROL.



SIZE 6 DRIPPROOF NON-REVERSING STARTER ARRANGED FOR 3 WIRE REMOTE CONTROL AND USING CURRENT TRANSFORMERS IN CONJUNCTION WITH THE THERMAL OVERLOAD RELAY.

TABLE OF CONTACTOR TYPE NUMBERS

Navy Starter Size	MAIN CONTACTOR: Number of Contactors per Starter — Non-Reversing Type	MAIN CONTACTOR: Number of Contactors per Starter — Reversing Type	MAIN CONTACTOR: Type Number of Coil	MAIN CONTACTOR: Nominal Ampere Rating	Type Number of Overload Relay	Type Number of Control Relay (When furnished for Special Purposes)
1	1	2	N618	25	N750	N632
2	1	2	N620	50	N750	N632
3	1	2	N627	100	N750	N632
4	1	2	N628	150	N750	N632
5	1	2	N629	300	N750	N632
6	1	2	N630	600	N750	N632

Continued

CUTLER 107/399
12/1/2006

7-24