



MISCELLANEOUS ACCESSORIES and COMPONENTS

General Description



A-c and D-c Solenoid Operated Magnetic Shoe Brakes

—Stops and holds loads—Electrically released, spring applied—Usually operates on an extended shaft of the motor but may be applied to intermediate shafts of the transmission system—Simple adjustments for torque, lining wear and equalizing shoe clearance.

A-c and D-c Solenoids—Continuous or intermittent duty—Push and pull types—Floor or wall mounting—D-c with or without protecting switch.

Pressure and Vacuum Switches, Heavy Duty, Diaphragm Type—Horsepower rated—Single and double pole—Range and differential adjustment—Cat. 10007, on air systems, may have unloader valve which releases air pressure for starting without load—Pulsation plug dampens pressure surges so they will not cause false contact operation.

Float Switches—Horsepower rated or control circuit—Two pole—Rod or chain operated—Standard or heavy duty—Tank or sump operation, catalog numbers 10036, 10037, 10038 and 10045 are on the job convertible.

Fuse Clip Kits—Six clips plus mounting hardware—For use in converting non-fusible combination starters to fusible—Also for changing fuse clip ratings of starters.



Auxiliary Contact Kits—For use with magnetic a-c contactors—Size 00 contact kit, size 0 thru 5 assembled contact units—Normally open, normally closed, normally open and normally closed or normally closed late opening.

Cover Control Conversion Kits—For changing remote control A-c Full Voltage NEMA 1 enclosed starters to local control—Start, Stop pushbuttons or 3 position selector switch.

External Cover Operators for Type ST and SW Overload Relays—Reset button operators—Adjustable from 4 1/8 to 4 11/16 inches long—Other lengths on special order—For NEMA type 1, 3, 4 and 5 enclosures.

Control Circuit Transformers—For magnet coil loads and pilot devices—Diagramatic nameplate with terminals identification—Screw type terminals.

Fuse Blocks—1, 2 or 3 pole blocks—200 amperes maximum—With or without control fuse clips—Assembled or fuse blocks and clips separate.

Terminal Blocks—Control circuit 4 to 12 poles—Power circuit 3 poles—White marking strip—With or without cover—Screw type or pressure type terminals.



Water Immersion Heaters with Thermostat—Single or dual element—Thermostat range setting 60° to 250°F.—1, 1 1/4 or 2 inch tapered pipe thread mounting.

This Section Contains:

	Page
A-c and D-c Solenoid Operated Magnetic Shoe Brakes	216-217
A-c and D-c Solenoids	218-221
Pressure and Vacuum Switches	222
Float Switches	223-224
Fuse Clip Kits	224
Auxiliary Contact Kits	225
Cover Control Conversion Kits	226
External Cover Operators for Overload Relays	226
Control Circuit Transformers	227
Fuse Blocks	227-228
Terminal Blocks	229
Water Immersion Heaters	230
Strip Heaters	231
Domestic Water Heater Elements	231-232
Motor Circuit Switches	232-233
Circuit Breaker Operating Mechanisms	234

Water Immersion Heaters, Bottom Outlet Mounting—Double or triple element—Bottom mounting on 2 1/8 inch diameter hole—One bolt mounting—Minimum liquid level, 2 1/2 inches single phase, 3 1/2 inches three phase.

Strip Heaters—One terminal at each end or both terminals at one end—Steel for sheath temperatures up to 750°F., monel metal for sheath temperatures up to 1200°F.

Domestic Water Heater Elements Copper Sheathed—One unit assembly—Single element, single, double or triple loop—Four bolt mounting.

Motor Circuit Switches—3 pole—30 and 60 ampere, non-fusible—100 and 200 ampere, fusible or non-fusible—Provision for padlocking, up to 3 padlocks in "Lock" position which locks cover closed and switch in "Off" position.

Circuit Breaker Operating Mechanisms—External operating lever and cover parts—Internal disconnecting mechanism (circuit breaker not included).

3 PHASE FULL VOLTAGE
MOTOR CONTROL3 PHASE REDUCED
VOLTAGE & MULTISPEED
MOTOR CONTROL

1 PHASE MOTOR CONTROL

AC-DC CONTACTORS,
RELAYS & TIMERSPUSHBUTTONS & LIGHTS,
LIMIT SWITCHES,
FOOT SWITCHESMISCELLANEOUS
ACCESSORIES &
COMPONENTS