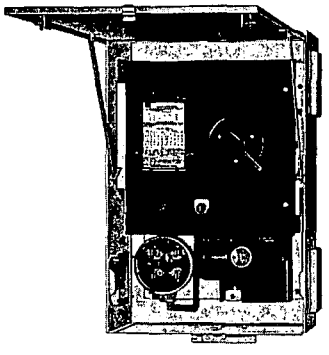
MOTOR CONTROL FOR SPECIFIC APPLICATIONS

General Description

A-c Magnetic Duplex Pump Controllers—Three pole—Two full voltage starters or two combination starters each with motor circuit switch or circuit breaker—Standard operation by two 2 pole pilot devices—Can be modified to operate with two single pole pilot devices—With or without alternator—Alternator provides automatic alternation, for succeeding cycles—If one pump cannot handle load, other pump will automatically be started and both pumps will complete cycle.

A-c Oil Well Pumping Control with Supertimer—Automatic starting and stopping of pumping operations set to a predetermined 24 hour schedule—Day omission feature shuts down pumping operations for any day or days of the week—Protection to motor and controller against lightning surges, overloads, single phasing and power failures — Supertimer allows programming in any combination of 15 minute increments and instant or time delay sequence starting or restarting of a series of pumps—Lightning arresters, one for each phase—Control relay, undervoltage release—"Manual-Off-Automatic" selector switch on inner door—Padlock provisions, on outer door, inner door, motor circuit switch, supertimer—Nema type 3 enclosure, protection against weather hazards—Options include automatic pump off control that on completion of a time cycle will keep the pump running until the well "pumps-off"—single cycle lockout protection for inherently protected motors, installed or for on the job installation.



A-c Pumping Plant Control—3 pole with maintaining interlock—Non-reversing—With motor circuit switch or circuit breaker—Start, stop pushbutton in cover, low voltage protection—Four position adjustable overload relay, 2 or 3 coil—Reset button in cover—Nema type 3 weatherproof ventilated enclosure, aluminum finish.



Explosion Proof Enclosures and Motor Control Components, Nema 7D and 9EFG—Starters, 3 pole non-reversing, reversing or multi-speed—Four position adjustable overload relay, 2 or 3 coil—Reset button only on overload relay—**Circuit Breakers,** Westinghouse De-ion type—Adjustable, instantaneous trip, magnetic—Non-adjustable thermal magnetic trip type also available for 110/220 volt size 0, 1 and 2 controllers—**Enclosures,** threaded aluminum alloy type—Three sections, body and two single piece covers.

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Textile Loom Switches—A-c Manual—3 pole non-reversing—Pushbutton operated—Padlock provision for Stop button—Overload protection—Mechanism mounted on rubber bushings, vibration protected—Lint tight gasketed or Nema 1 lint safe enclosure—Group fusing for group installations.

Textile Card Starters—Manual, group fusing type—Magnetic, non-combination and combination with fusible motor circuit switch or circuit breaker—3 pole—Pushbutton operated—Overload protection—Reversing drum type selector switch with off position, reverse for grinding card—Nema type 12 enclosure, lint tight gasketed cover.

Textile A-c Automatic Starters, Reduced Voltage—Smooth automatic acceleration to full speed—3 pole non-reversing—Primary resistor type, single step—30 resistor taps for fine adjustment—Adjustable pneumatic timer, definite time acceleration—Two or three wire control—Thermal overload protection—Nema type 1 enclosure or with gasketed cover.

A-c and D-c Automatic Transfer Panels Magnetically Held—On failure of main power supply, load is automatically transferred to the emergency power supply—Load is automatically transferred back to the main power supply on resumption of voltage—2, 3 or 4 pole—Two magnetic contactors mechanically interlocked—Nema type 1 general purpose enclosure or open type.

A-c Lighting Contactors—For lighting loads of either tungsten filament, fluorescent or mercury arc lamps—2, 3 or 4 pole—Magnetically held—Auxiliary contact optional—Nema type 1 general purpose enclosure or open type.