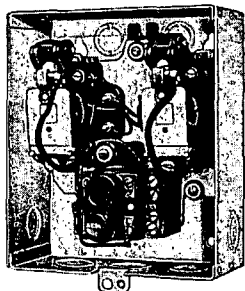


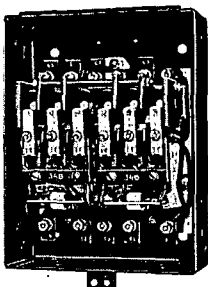
General Description

Full Voltage—Magnetic Non-Reversing—Constant Speed



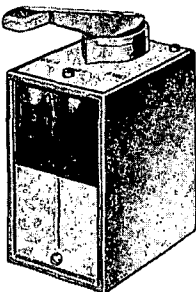
—For series, shunt or compound wound motors—Two pole contactor—Operating coil with protective resistance unit for continuous duty—Two or three wire control—Single coil overload relay—Reset button only or Start-Stop pushbuttons in cover—Nema type 1, 4, 5, 7, 9 and 12 enclosed or open type.

Full Voltage—Magnetic Reversing—Constant Speed—For



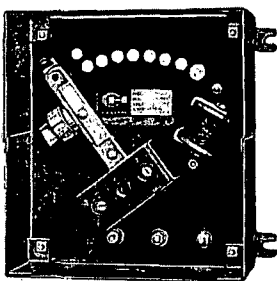
series, shunt or compound wound motors—Two contactors mechanically interlocked—Operating coils with protective resistance units for continuous duty service—Two or three wire control—With and without overload relay—Nema type 1 enclosed or open type.

Full Voltage—Manual Reversing Drum Switch—Constant Speed—Size DRO and DRI, choice of



operators, large or small lever, knob or adjustable lever—360° positioning of operator in 22½° increments—On the job convertible from maintained to momentary operation. Size 2, ball type operating lever—60° throw from "Off" position—Maintained or momentary operation. All Sizes, Nema type 1 surface mounted or oil tight cavity mounting.

Reduced Voltage—Manual Non-Reversing—Constant

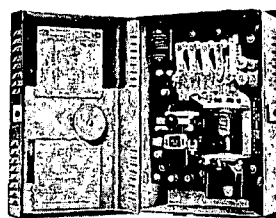


Speed—Face plate construction—Standard duty with starting resistor class AS115—Heavy duty with starting resistor class AS133-134-135—For series, shunt or compound wound motors—Moving operating lever to right cuts out successive steps of armature resistance—At extreme right hand position lever is held by electro-magnet—Low voltage protection.

This Section Contains:

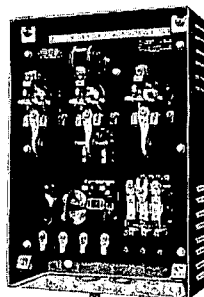
	Page
FULL VOLTAGE	
Magnetic Non-Reversing—Constant Speed	250
Magnetic Reversing—Constant Speed	250
Manual Reversing Drum Switch—Constant Speed	251
REDUCED VOLTAGE	
Manual Non-Reversing—Constant Speed	251-252
Magnetic Non-Reversing—Constant Speed	252
Magnetic Reversing and Non-Reversing—Constant Speed (Heavy Duty)	253
Magnetic Reversing and Non-Reversing—Adjustable Speed (Heavy Duty)	254
Field Rheostats	256

Reduced Voltage—Magnetic Non-Reversing—Constant



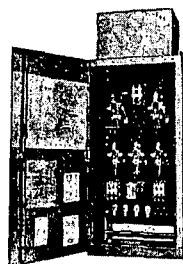
Speed—General purpose with starting resistor class AS115—Multi-fingered accelerating contactor cuts out starting resistance in armature circuit—Time limit acceleration by oil dashpot—Adjustable timing—Adjustable thermal overload relay—Nema type 1, 4, 5 or 7 enclosed.

Reduced Voltage—Magnetic Reversing and Non-Reversing—Constant Speed—Heavy duty



with starting resistor class AS136—Main line, reversing and accelerating contactors—Definite timed accelerating with timing relay—Time period for each acceleration step is adjustable—Field discharge resistor—Two or three wire control—Thermal overload relay—Nema type 1 enclosed.

Reduced Voltage—Magnetic Reversing and Non-Reversing—Adjustable Speed—Heavy



duty with starting resistor class AS135—Main line, reversing and accelerating contactors—Definite time acceleration with timing relay—Time period for each accelerating step is adjustable—Field discharge resistor—Speed control from separately mounted field rheostat—Two or three wire control—Thermal overload relay—NEMA type 1 enclosed.