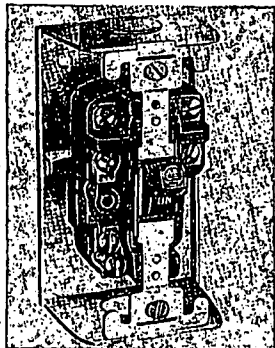


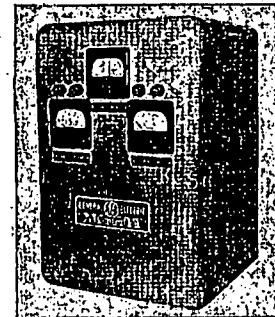
Increases starting voltage until full current has been drawn from rectifier. La Marche Mfg Co., 6525 Olmstead Ave., Chicago, 81, Ill.

M33 SNAP SWITCH—Manually operated motor-starting switch starts motors of 1 hp or less, and has overload device that operates on soldered ratchet principle. It



is impossible to hold switch closed under sustained overloads but can be reset easily with regular switch lever, after overload is cleared. Allen-Bradley Co., Milwaukee, Wis.

M29 AMPLIDYNE CONTROL—Packaged amplidyne control is for steel mill and processing line control applications where speed, current or voltage regulation are required. Unit brings together all adjusting rheostats, capacitors, rectifiers and instruments required for amplidyne-regulating current. General Electric Co., Schenectady, N. Y.



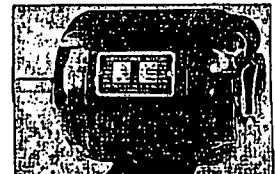
M16 TRANSFORMER RELEASE—Cover-mounted release device vents internal transformer pressures caused by electric arc or overload. Fits any unit with 9-in.

handhole opening, and adapters can be used for fitting it to larger openings if necessary. Resetting after operation is simple, and requires no replacement parts other than new gaskets, which can be made in the field. Westinghouse Electric Corp., PO Box 868, Pittsburgh, 30, Pa.

M45 SHOCKPROOF FUSE—Renewable-cartridge fuse designed for shockproof service and quick renewal. Available in sizes from 3-600-amp, 250- or 600 v. Solar Electric Corp., Warren Pa.

M17 HIGH OUTPUT RELAY—Power relay designed for convenience of wiring together with small mounting area. Unit is multi-purpose relay and is available for either ac or dc coil operation. Allied Control Co., 2 East End Ave., New York, 21, N. Y.

M35 CAPACITOR MOTOR—Motor said to be lightest of its size, rating and capacity and is for heavy-duty, single-phase, 1/2 hp, 115-230-v operation. Called the "Work-



horse", motor operates on either 50 or 60 cycles. Starting torque is 220% and motor can withstand 25% overload indefinitely, maker says. Crozier Machine Tool Co., Hawthorne, Calif.

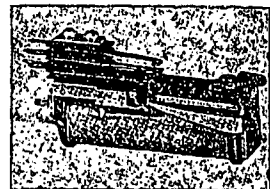
M11 SURGE FUSE LINK—Lightning surges and temporary heavy loads within permissible range of transformer thermal capacities can be carried safely by this primary distribution fuse, available in sizes of 1, 2, 5, 7, and 10 amps. Westinghouse Electric Corp., PO Box 868, Pittsburgh, 30, Pa.

M12 AUTOMATIC OSCILLOGRAPH—Type RS-9 instrument automatically records as many as a hundred transients without attention, regardless of whether they are seconds or months apart. Can be furnished without starting relay and equipment for automatic operation, when it is required for manual or staged operation. Unit is designed for use as a portable instrument or for permanent switchboard installations. Hathaway Instrument Co., 115 South Clarkson St., Denver, 10, Colo.

M18 DISTRIBUTION TRANSFORMER—Unit has wound core of cold-rolled silicon steel. Also has stud-type sidewall high-voltage bushings with metal-enclosed bushing gaskets and bushing insulating caps. Transformer is single-phase 60-cycle unit. Pennsylvania Transformer Co., Box 6208, Pittsburgh, 12, Pa.

M14 AC VOLTAGE RECORDER—Instrument can accommodate as many as 16 different ac voltages on wide strip chart. Readability of scale results from depressed zero range that ignores lower portion of voltage scale, in which operator is not interested. It spreads volts or kilovolts, which he must watch, across instrument's entire width. Leeds & Northrup Co., 4934 Stenton Ave., Philadelphia 44, Pa.

M27 MULTICONTACT RELAY—Unit is capable of handling as many as 12 circuits in variety of contact combinations, and has life expectancy of millions of operations. Working from five basic contact arrange-

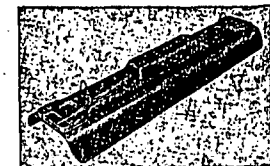


ments, contact combinations can be stacked to satisfy many intricate circuit-switching requirements. General Electric Co., Schenectady, N. Y.

M18 RENEWABLE SWITCH—No. 101 switch has 1/2-in. overtravel and can be used to control two circuits, breaking one side of the line of each. Designed for 10 amp at 110-125 v ac and under some conditions works satisfactorily at lower dc voltages and currents. Congress Fan & Electric Co., Daytona Beach, Fla.

M20 FLOAT SWITCH—The L200 float switch is 2-pole double-break snapback unit with silver-to-silver contacts. Automatic Control Co., 1005 University Ave., St. Paul, 4, Minn.

M34 FLUORESCENT FIXTURE—HF-100 fixture has weatherizing finish that makes it resistant to rust, corrosion and pitting. In addition to protective quality,



Miracote finish gives reflection factor of not less than 85% and a lighting efficiency of 85%. Sylvania Electric Products Co., Salem, Mass.

M30 CURRENT TRANSFORMER—Through-type unit has new cushioned mounting for porcelain insulator that is suspended inside transformer housing by two continuous circular wedge-shaped rub-

ber gaskets. Space between secondary winding and enclosing case filled with plastic compound, sealing out air and moisture. Allis-Chalmers Mfg Co., Milwaukee, Wis.

M15 TEST INSTRUMENT—Model 1005 is complete test unit for electronics and electrical technicians in laboratories, shops or service departments. Combines functions of over 60 separate instruments and has six individual instruments, each with complete set of ranges. Unit adaptable for testing all electrical appliances, small motors, circuits, etc. Simpson Electric Co., 5208 W Kinzie St., Chicago, 11, Ill.

M8 THERMOSTAT CONTROL—Thermostat provides safe, accurate, fast-acting and constant heat control under most severe operating conditions. Unit especially designed for high- and low-temperature ranges. Fenwal, Inc., 31 Pleasant St., Ashland, Mass.

M32 HIGH CURRENT CONTACTORS—For operation on 750 v, these contactors are 1500, 2000 and 6000-amp units for single-pole, heavy-duty operation. They are magnetically operated, frame-mounted, rear-connected devices with up to eight heavy-duty double-brake auxiliary interlock contacts. Allis-Chalmers Mfg Co., Milwaukee, Wis.

M21 TERMINAL BLOCK—Featuring a lock-in arrangement this block was developed for electrical industries. Lock-in feature eliminates danger of spade lugs pulling out. Curtis Development & Mfg Co., 1 N Crawford Ave., Chicago, 24, Ill.



M22 PERMANENT MAGNET—Designed to replace electromagnets for many applications, new standard line of Alnico permanent magnet holding assemblies is impregnated to prevent moisture penetration. General Electric Co., Pittsfield, Mass.

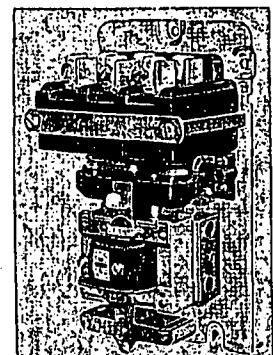
M23 DISTRIBUTION TRANSFORMERS—Lightweight construction represents 17 to 46% saving in weight on these units. Ranging in sizes from 14 to 100 kva, 2400 through 15,000-v classes, units represent latest design. Allis-Chalmers Mfg Co., Milwaukee, Wis.

M24 THERMOCOUPLE—New nickel-molybdenum thermocouple is suitable for use in reducing atmosphere at temperatures as high as 2100 F. General Electric Co., Schenectady 5, N. Y.

M28 PHASE-SHIFTING TRANSFORMERS—Adjustable transformers convert standard watt-hour meters to kva-hr units by displayed voltage method. Use of unit based on fact that by shifting phase angle of voltage, a proper amount, any watt-hour

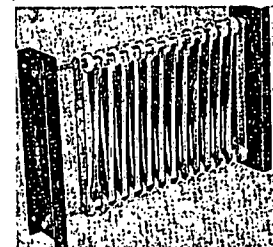
meter can be made to read kva-hr. Westinghouse Electric Corp., Box 868, Pittsburgh, 30, Pa.

M36 SOLENOID CONTRACTORS—Intended primarily for ac motor controllers, these new solenoid-type contractors are also suitable for application in resistor heating controls, lighting controls, etc., for remote and automatic load-switching purposes. Device features a compact unit construction in addition to complete accessibility of parts, built-in solderless connectors, double-break silver contacts, and simplicity of



design. Size 2 and size 3 units have maximum ratings of 25 and 50 hp, respectively, on 440-550 v, 3-phase, 60 cycles. Standard operating coils with front-connected terminals are available for 110-, 220-, 440- and 550-v operation on 25, 50, or 60 cycles. Ward Leonard Electric Co., Mt. Vernon, New York.

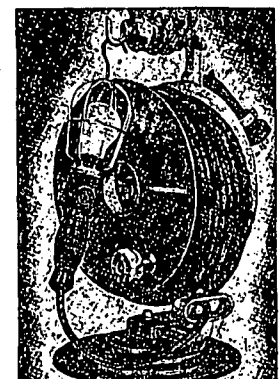
M37 RESISTORS—Newly designed series of resistors intended for continuous high-current applications, the Loopohm resistors are suitable for use where mechanical shock and vibration prevail. Available with a con-



tinuous current rating from 20 to 110 amp. They can be furnished with tapered current capacity, fixed or adjustable clamp taps, end frames and sheet or expanded metal enclosures. Ward Leonard Electric Co., Mt. Vernon, N. Y.

M38 INDUSTRIAL SPOTLIGHT—Powerful enough to illuminate clearly welding, cutting or brazing work when viewed through a No. 10 welder's glass, this spotlight allows welder to see the work before striking arc. One of these spotlights casts a small-diameter circle of light from 2500 foot-candle brilliance when placed 3 ft from the work to 1000 foot-candles when 6 ft away. Spotlight uses a 6-v, sealed-beam type of lamp, operating from a transformer built into the light housing. Complete assembly weighs about 5 lb. It can be mounted at any angle on some convenient 1-in. pipe, or on its own stand, by a clamp and positive-action, spring-loaded swivel joint. Spotlight may be plugged into any service outlet as power requirement for the lamp and accessories is only 33 watts at 115 v, 60 cycles. Westinghouse Electric Corp., PO Box 868, Pittsburgh 30.

M39 PORTABLE EXTENSION CORD—Port-O-Reel, designed to save time on any application requiring extension cords. This new unit prevents kinks and knots in the cord by a cord guide that winds the cord as it is rewound on reel. Standard unit handles any length of cord up to 400 ft,



depending on cord diameter. It is available with or without extension cord. Manufacturer will equip the reels with special hand lamps, lugs, and any type cord and cable to meet code requirements of standardized wiring system now in use. Industrial Electrical Works, 1509 Chicago St., Omaha 2, Neb.

M40 WOUND-ROTOR MOTOR—A totally-enclosed fan-cooled, wound-rotor motor has an improved tube-to-air heat exchanger. Greater efficiency of this heat exchanger permits a reduction in size, and because of its simple design, cleaning is reduced to a minimum. Motors suitable for all industrial fields can be built with stainless-steel ventilating tubes, fans, and end plates. In addition, cast-iron terminal boxes and collector ring enclosures may be specified for motor operation under