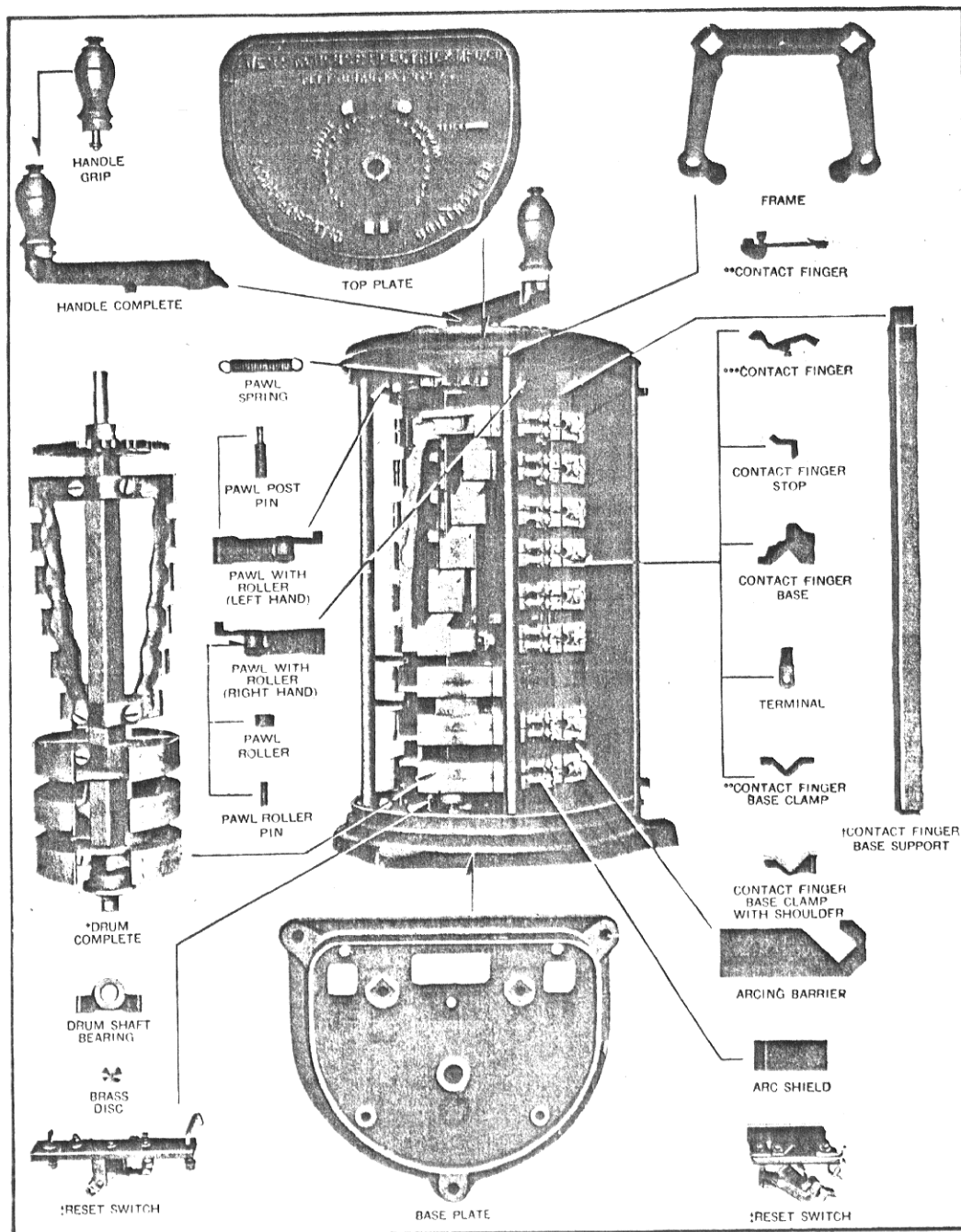


August, 1928

This publication
supersedes Part Cata-
logues Nos. 6115 & 6115-1

TYPE FA REVERSING DRUM CONTROLLER RENEWAL PARTS



RENEWAL PARTS FOR TYPE FA REVERSING DRUM CONTROLLERS, 75, 150 AND 225 AMPERES, 2 OR 3 PHASE, 9, 12, 13 OR 15 POINTS.

*Details are illustrated on Page 3.

**Used on earlier design controllers.

***Used on later design controllers.

†If tapped for mounting arc shield, so state.

‡Specify whether plain, or tapped for mounting arc shield.

†On controllers Style No. 120919A and Style No. 115954A, specify whether left or right hand.

‡Later design controllers include a reset switch, mounted on an insulated base, operated by a cam on the drum. Earlier design controllers were not supplied with a reset switch, except on special request. Details are illustrated on Page 3.

Naming the part and giving the Style Number of the Controller, as stamped on the Top Plate, will insure correct shipment. For ORDERING INSTRUCTIONS, See Page 4.

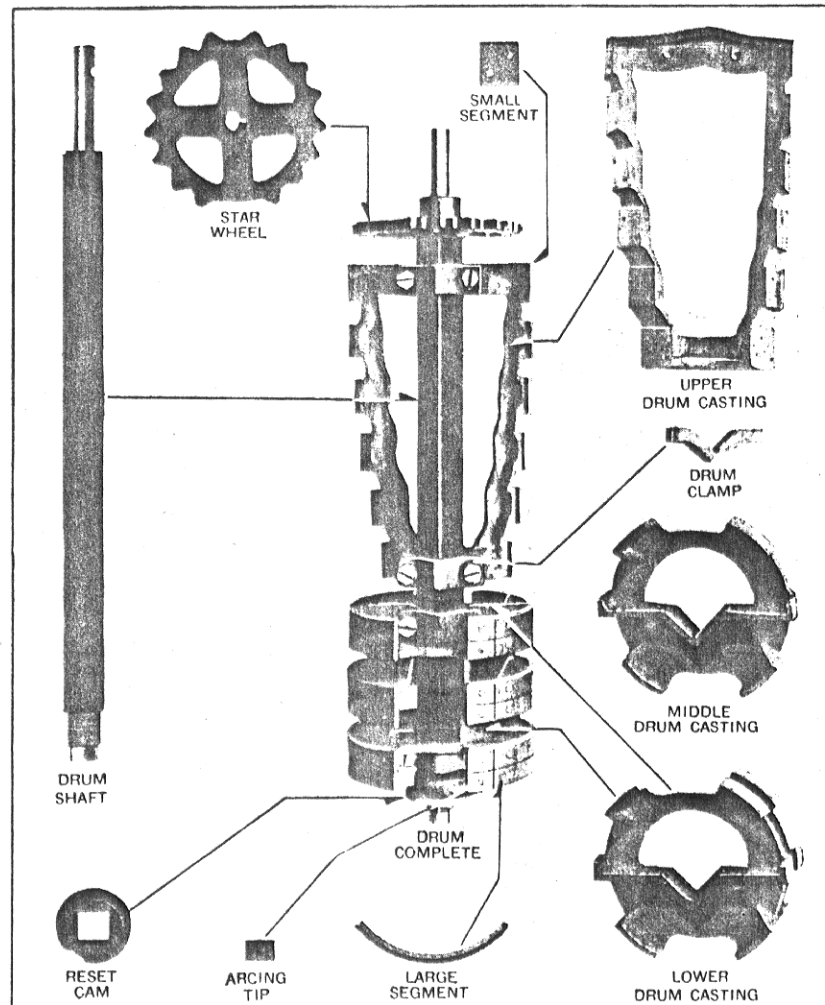
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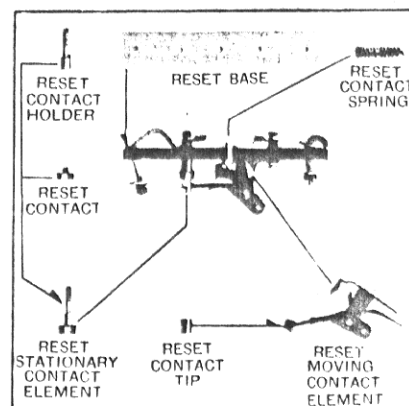
Class RP-12750

Page 3

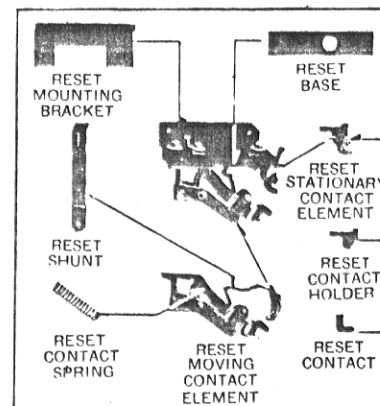
TYPE FA REVERSING DRUM CONTROLLER RENEWAL PARTS



DETAIL PARTS OF DRUM: 75, 150 AND 225 AMPERES



DETAIL PARTS OF RESET SWITCH:
75, 150 AND 225 AMPERES



DETAIL PARTS OF RESET SWITCH:
75, 150 AND 225 AMPERES

Naming the part and giving the Style Number of the Controller, as stamped on the Top Plate, will insure correct shipment. For ORDERING INSTRUCTIONS, see page 4.

TYPE FA REVERSING DRUM CONTROLLER RENEWAL PARTS

GENERAL INFORMATION

Description:

The type FA controllers are manually operated, general purpose, reversing drum controllers for use with alternating current wound rotor motors. The drum castings are clamped to an insulated shaft and the fingers are mounted on an insulating board in case of the 50 ampere size and on insulated tie rods on the larger sizes. The lower half of the drum controls the primary of the motor and the upper half controls the secondary of the motor.

Rating:

The controllers are built in 50, 75, 150 and 225 ampere, 600 volt sizes. The primary and secondary contact ratings are the same and neither the primary nor secondary motor currents should exceed the controller ampere rating.

Location:

The controller should be located within plain view of the motor or driven machine and as close to it as conditions

permit. In determining this location, the following points should be considered:

- (a) Safety and convenience of the operator.
- (b) Accessibility of the controller and accessories for inspection and maintenance.
- (c) Protection of the controller from corrosive gases, excessive heat or moisture, abrasive dust, inflammable material, or accidental injury.
- (d) Conformity to the fire and safety codes that govern in that locality.
- (e) Ventilation of the resistor, and of other parts where heat must be dissipated.

Maintenance:

The contact fingers and segments of an electric controller assume a position of first importance. Of whatever type, they must be kept clean, pressure maintained and must be replaced when worn.

Sliding contacts as used on the FA type controller may be filed smooth if the roughening is not serious. The fingers and segments are designed to permit a certain amount of wear and will withstand frequent operation with little wear if given proper attention in regard to pressure and alignment. They can be replaced with minimum trouble and expense and it is generally economical to take advantage of this before wear makes it impossible to maintain the pressure specified, or before other trouble develops.

Contact Pressure:

On the 50 ampere finger the pressure should be 4 to 6 pounds. On the 75 ampere finger the pressure should be 5 to 7 pounds.

Note:

Capacities above 75 amperes are obtained by using two or more of the 75 ampere fingers in parallel, and this pressure should be maintained on each contact.

Recommended Minimum Renewal Parts Stock

For Controllers in use up to and including	1	5
Description of Part	Recommended for Stock	
Pawl with roller, left hand	0	0
Pawl with roller, right hand	0	0
Pawl Spring.	0	1
Contact Finger.	1 Set	2 Sets
Contact finger stop	0	0
Contact finger base	0	0
Handle grip.	0	0
Small segment	1/2 Set	1 Set
Large segment	1/2 Set	1 Set
Arcing tip	1 Set	2 Sets
Reset contact spring.	0	1
Reset Contact tip.	2	4
Star wheel	0	0
Reset moving contact element	1	2
Reset contact	1	2
Reset shunt.	2	4
Reset stationary contact element.	1	2
Sheave wheel spring (For 50 ampere controllers only).	1	1

Ordering Instructions

Name the part and give its style number. Give the complete nameplate reading. State whether shipment is desired by express, freight or by parcel post. Send all orders or correspondence to nearest sales office of the company. Small orders should be combined so as to amount to a value of at least \$1.00 net. Where the total of the sale is less than this, the material will be invoiced at \$1.00.