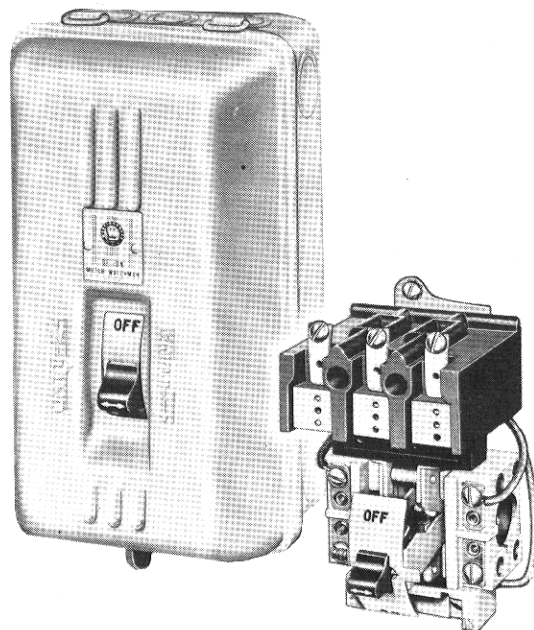




MANUAL TYPE DnW
DE-ION MOTOR WATCHMAN
NONREVERSING—REVERSING—TWO SPEED

RENEWAL PARTS DATA
10-100A1

PAGE
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SIZE 1

CLASS 10-100—NONREVERSING
CLASS 10-110—REVERSING
CLASS 10-130—TWO SPEED

CLASS 10-100—NONREVERSING

STARTER CLASS NUMBER	STYLE NUMBER—TWO POLE STARTER			STYLE NUMBER—THREE POLE STARTER		
	Starter in Enclosure	Open Starter	Enclosure	Starter in Enclosure	Open Starter	Enclosure
10-100.1	.....	967 339	.....	.....	967 340	.....
10-100.1	.....	1040 110	.....	.....	1040 111	.....
10-100.1	.....	1116 644	.....	.....	1577 253	.....
10-100.1	.....	1116 646	.....	.....	.....	.....
10-100.1	.....	1577 251	.....	.....	.....	.....
10-100.1	.....	1577 256	.....	.....	.....	.....
10-100M1	.....	.....	.....	1577 547	1577 255	1357 648
10-100P1	1073 416	1040 110	1073 409	1073 417	1040 111	1073 409
10-100P1	1116 638	1116 644	1073 409	1577 870	1577 253	1073 409
10-100P1	1577 869	1577 251	1073 409	.....	.....	.....
10-100P1	1577 871	1577 256	1073 409	.....	.....	.....
10-100S1	1040 459	1040 110	1040 085	1040 460	1040 111	1040 085
10-100S1	1116 636	1116 644	1040 085	1577 254	1577 252	1577 931
10-100S1	1577 545	1577 251	1577 931	1577 546	1577 253	.....
10-100S1	1577 548	1577 256	1577 931	1605 834	1605 501	.....
10-100S1	.....	.....	.....	1606 676	1577 253	.....
10-100U1	1072 678	1040 110	1072 573	1072 679	1040 111	1072 573
10-100U1	1072 682	1040 110	1072 574	1072 683	1040 111	1072 574
10-100U1	1072 686	1040 110	1072 575	1072 687	1040 111	1072 575
10-100U1	1072 690	1040 110	1072 576	1072 691	1040 111	1072 576
10-100U1	1072 694	1040 110	1072 577	1072 695	1040 111	1072 577
10-100U1	1072 698	1040 110	1072 578	1072 699	1040 111	1072 578
10-100U1	1116 642	1116 644	1072 577	1578 602	1577 253	1072 573
10-100U1	1578 598	1577 251	1072 573	1578 603	1577 253	1072 574
10-100U1	1578 599	1577 251	1072 574	1578 604	1577 253	1072 576
10-100U1	1578 600	1577 251	1072 576	1578 605	1577 253	1072 577
10-100U1	1578 601	1577 251	1072 577	.....	.....	.....
10-100U1	1578 606	1577 256	1072 577	.....	.....	.....
10-100V1	.....	.....	.....	1605 313	1605 501	.....
10-100V1	.....	.....	.....	1605 314	1605 501	.....
10-100W1	1072 762	1040 110	1072 755	1072 763	1040 111	1072 755
10-100W1	1072 766	1040 110	1072 756	1072 767	1040 111	1072 756
10-100W1	1072 770	1040 110	1072 757	1072 771	1040 111	1072 757
10-100W1	1072 774	1040 110	1072 758	1072 775	1040 111	1072 758
10-100W1	1072 778	1040 110	1072 759	1072 779	1040 111	1072 759
10-100W1	1116 640	1419 892	1072 758	1578 611	1577 253	1072 755
10-100W1	1578 607	1577 251	1072 755	1578 612	1577 253	1072 756
10-100W1	1578 608	1577 251	1072 756	1578 613	1577 253	1072 757
10-100W1	1578 609	1577 251	1072 757	1578 614	1577 253	1072 758
10-100W1	1578 610	1577 251	1072 758	.....	.....	.....
10-100W1	1578 615	1577 259	1072 758	.....	.....	.....

Supersedes RPD 10-100A1 dated July 1951

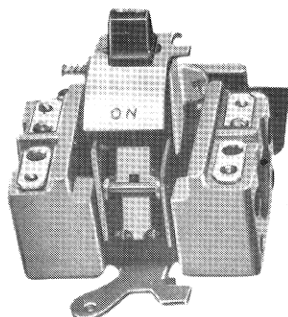
E41-6A, C, E; D61-6A, C, S

MARCH, 1952



SIZE 1—CLASS 10-110 REVERSING—CLASS 10-130 TWO SPEED

STARTER CLASS NUMBER	STYLE NUMBER—THREE POLE STARTER		
	Starter in Enclosure	Open Starter	Enclosure
CLASS 10-110 REVERSING			
10-110.1	.....	1228 654	.....
10-110.1	.....	1606 753	.....
10-110S1	1228 660	1228 654	1228 566
10-110S1	1228 662	1228 654	1228 568
10-110S1	1606 755	1606 753	1228 568
10-110W1	1264 221	1228 654	1264 233
10-110W1	1264 223	1228 654	1264 234
10-110W1	1264 225	1228 654	1264 235
10-110W1	1606 757	1606 753	1264 234
CLASS 10-130 TWO SPEED			
10-130.1	.....	1228 656	.....
10-130.1	.....	1606 754	.....
10-130S1	1228 664	1228 656	1228 568
10-130S1	1606 756	1606 754	1228 568
10-130W1	1264 227	1228 656	1264 233
10-130W1	1264 229	1228 656	1264 234
10-130W1	1264 231	1228 656	1264 235
10-130W1	1606 758	1606 754	1264 234



1



2



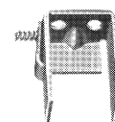
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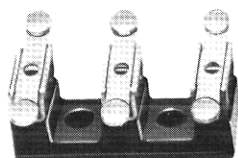
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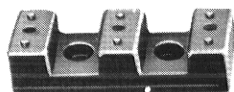
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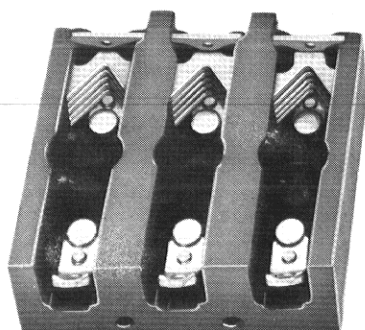
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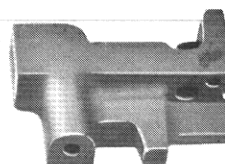
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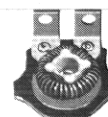
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15



16



17



MANUAL TYPE DnW
DE-ION MOTOR WATCHMAN
NONREVERSING—REVERSING—TWO SPEED

RENEWAL PARTS DATA
10-100A1

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3

RENEWAL PARTS FOR SIZE 1—TYPE DnW MOTOR WATCHMAN

TYPE		CLASS 10-100—NONREVERSING						No. Per Starter	RECOMMENDED STOCK	
NUMBER OF POLES		2 (1 PHASE)		3 (3 PHASE)		3 (D-C)†			No. of Starters in Use	
STYLE NUMBER OF OPEN STARTER		967 339	1577 251	967 340	1577 252 1577 253	1116 644	1577 256			
		1040 110	.....	1040 111	1577 255 1605 501	1116 646	1577 259			
Ref. No.	Description of Part	Style Number of Part							1	5
1	Operating Mechanism with Overload Trip*	1130 692	1130 692	1130 693	1130 693	1130 693	1130 693	1	0	0
†	Overload Relay Kit	1357 652(1)	1357 652(1)	1357 652(2)	1357 652(2)	1357 652(1)	1357 652(1)	()	1	2
2	Handle	1040 060	1040 060	1040 060	1040 060	1040 060	1040 060	1	0	0
3	Handle Shield	1040 062	1040 062	1040 062	1040 062*	1040 062	1040 062	1	0	0
4	Handle Spring	1129 424	1129 424	1129 424	1129 424	1129 424	1129 424	2	1	1
5	Latch Spring	1040 081	1040 081	1040 081	1040 081	1040 081	1040 081	1	0	0
6	Handle Arm	1040 061	1040 061	1040 061	1040 061	1040 061	1040 061	1	0	0
7	Cross Bar Complete	1040 095	1614 229	1040 094	1614 228	1040 094	1614 228	1	0	0
8	Cross Bar	1040 057	1532 236	1068 938	1532 236	1068 938	1532 236	1	0	1
9	Moving Contact	899 837(2)	1040 078(2)	899 837(3)	1040 078(3)	899 837(3)	1040 078(3)	()	3	6
10	Contact Support	1190 678(2)	1532 233(2)	1190 678(3)	1532 233(3)	1190 678(3)	1532 233(3)	()	1	3
11	Contact Spring	899 835(2)	973 646(2)	899 835(3)	973 646(3)	899 835(3)	973 646(3)	()	0	1
12	Arc Box Complete	1040 102	1614 231	1040 101	1614 230	1040 101	1614 230	1	0	0
13	Arc Box with Grids	1068 937	1614 233	1090 859	1614 232	1090 859	1614 232	1	0	1
14	Stationary Contact—front	1040 104(2)	1040 079(2)	1040 104(3)	1040 079(3)	1040 104(3)	1040 079(3)	()	3	6
15	Stationary Contact—rear	1040 105(2)	1040 103(2)	1040 105(3)	1040 103(3)	1040 105(3)	1040 103(3)	()	3	6
16	Terminal Block	1400 064	1400 064	1400 064	1400 064	1400 064	1400 064	1	0	0
17	Heater	†† (1)	†† (1)	†† (2)	†† (2)	†† (2)	†† (2)	()	2	4

TYPE		CLASS 10-110 REVERSING		CLASS 10-130 TWO SPEED		No. Per Starter	RECOMMENDED STOCK	
STYLE NUMBER OF OPEN STARTER		1228 654	1606 753	1228 656	1606 754		No. of Starters in Use	
Ref. No.	Description of Part	Style Number of Part					1	5
1	Operating Mechanism with Overload Relay	**	**	**	**	2	0	0
2	Handle	1040 060	1040 060	1040 060	1040 060	2	0	0
3	Handle Shield	1040 062	1040 062	1040 062	1040 062	2	0	0
4	Handle Spring	1129 424	1129 424	1129 424	1129 424	4	2	2
5	Latch Spring	1040 081	1040 081	1040 081	1040 081	4	0	2
6	Handle Arm	1040 061	1040 061	1040 061	1040 061	2	0	0
†	Link	1420 560	1420 560	1420 560	1420 560	2	0	0
7	Cross Bar Complete	1040 094	1614 228	1040 094	1614 228	2	0	0
8	Cross Bar	1040 057	1532 236	1040 057	1532 236	2	0	2
9	Moving Contact	899 837	1040 078	899 837	1040 078	6	6	12
10	Contact Support	899 836	1532 233	899 836	1532 233	6	6	12
11	Contact Spring	899 835	973 646	899 835	973 646	6	0	2
12	Arc Box Complete—right hand unit	1289 005	1614 542	1289 005	1614 542	1	0	0
12	Arc Box Complete—left hand unit	1040 101	1614 230	1040 101	1614 230	1	0	0
13	Arc Box with Grids	1040 100	1614 232	1040 100	1614 232	2	0	2
14	Stationary Contact—front—right unit	1289 003	1289 002	1289 003	1289 002	3	3	6
14	Stationary Contact—front—left unit	1040 104	1040 079	1040 104	1040 079	3	3	6
15	Stationary Contact—rear	1040 105	1040 103	1040 105	1040 103	6	6	12
16	Terminal Block	1400 064(1)	1400 064(1)	1400 064(2)	1400 064(2)	()	0	0
17	Heater	††	††	††	††	4	4	8

Parts indented are included in the part under which they are indented. †† See page 4 for heater style number.

† Two poles are in series.

* Overload trip units are not supplied separately as it is necessary to adjust and seal the units to the mechanism at the factory. Order overload relay Kit instead.

† Not illustrated.

() Figures in parenthesis indicate the number per starter.

* Handle shield not used on open starter style 1577 252.

** Operating mechanism and overload relay should be ordered together from factory where sealing and adjustments are made. Specify whether left or right hand unit is desired.

Recommended Stock of Renewal Parts

Contact, springs, heaters and other parts are subject to wear under normal operating conditions or damage due to abnormal conditions. We recommend that a quantity of these parts be stocked to minimize service interruption due to breakdowns. The column headed "Recommended Stock" in the table above

shows the number of each part which should be stocked under normal conditions. If continuous operation is of primary consideration or conditions are abnormal a greater quantity should be stocked.

RENEWAL PARTS DATA

10-100A1

MANUAL TYPE DnW

DE-ION MOTOR WATCHMAN

NONREVERSING—REVERSING—TWO SPEED



HEATERS FOR SIZE 0 DnW MOTOR WATCHMAN

For A-C motors in groups use feeder fuses not greater than shown in table. For individual motor branch circuits use a circuit breaker or fuses rated at not more than four times full load motor current.

125% OVERLOAD PROTECTION Full Load Current of Motor	HEATER CODE MARKING *	HEATER STYLE NUMBER	GROUP FUSE RATING	
			250 Volt	600 Volt
0.39 to 0.43	X 0.49	1129 372	60 A.	30 A.
0.44 to 0.49	Y 0.55	1129 373	60 A.	30 A.
0.50 to 0.54	Z 0.63	1129 374	60 A.	30 A.
0.55 to 0.62	AA 0.71	966 465	60 A.	30 A.
0.63 to 0.71	AB 0.82	966 466	60 A.	30 A.
0.72 to 0.79	AC 0.93	966 467	60 A.	30 A.
0.80 to 0.89	AD 1.0	966 468	60 A.	30 A.
0.90 to 0.99	AE 1.1	966 469	60 A.	30 A.
1.00 to 1.04	AF 1.2	966 470	60 A.	30 A.
1.05 to 1.18	AG 1.4	966 471	60 A.	30 A.
1.19 to 1.32	AH 1.5	966 472	60 A.	30 A.
1.33 to 1.49	AI 1.7	966 473	60 A.	30 A.
1.50 to 1.71	AK 1.9	966 474	60 A.	30 A.
1.72 to 1.89	AL 2.1	966 475	60 A.	30 A.
1.90 to 2.09	AM 2.5	966 476	60 A.	30 A.
2.10 to 2.35	AN 2.7	966 477	60 A.	30 A.
2.36 to 2.65	AO 3.0	966 478	60 A.	30 A.
2.66 to 2.98	AP 3.4	966 479	60 A.	30 A.
2.99 to 3.35	AR 3.8	966 480	60 A.	30 A.
3.36 to 3.75	AS 4.3	966 481	60 A.	30 A.
3.76 to 4.21	AT 4.8	966 482	60 A.	30 A.
4.22 to 4.71	AU 5.4	966 483	60 A.	30 A.
4.72 to 5.33	AW 6.1	966 484	60 A.	30 A.
5.34 to 5.94	AX 6.8	966 485	60 A.	30 A.
5.95 to 6.63	AY 7.7	966 486	60 A.	30 A.
6.64 to 7.52	AZ 8.5	966 487	60 A.	30 A.
7.53 to 8.51	BA 9.6	966 488	60 A.	35 A.
8.52 to 9.31	BB 11	966 489	100 A.	35 A.
9.32 to 10.5	BC 12	966 490	100 A.	40 A.
10.6 to 11.5	BD 13	966 491	100 A.	45 A.
11.6 to 12.4	BE 15	966 492	100 A.	50 A.
12.5 to 13.4	BF 16	966 493	100 A.	55 A.
13.5 to 14.9	BG 18	966 494	100 A.	60 A.
15.0 to 17.5	BH 19	966 495	100 A.	70 A.
17.6 to 18.2	BI 21	966 496	100 A.	70 A.
18.3 to 19.0	BK 23	966 497	100 A.	75 A.
19.1 to 20.5	BL 25	966 498	100 A.	80 A.
20.6 to 22.6	BM 27	966 499	100 A.	90 A.

* Number represents approximate heater trip currents.

ORDERING INFORMATION

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 at least two dollars, as this is minimum billing charge.

Refer to Beaver plant for prices not shown in Price List 120.

WESTINGHOUSE ELECTRIC CORPORATION
BEAVER PLANT • **STANDARD CONTROL DIVISION** • **BEAVER, PA.**

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