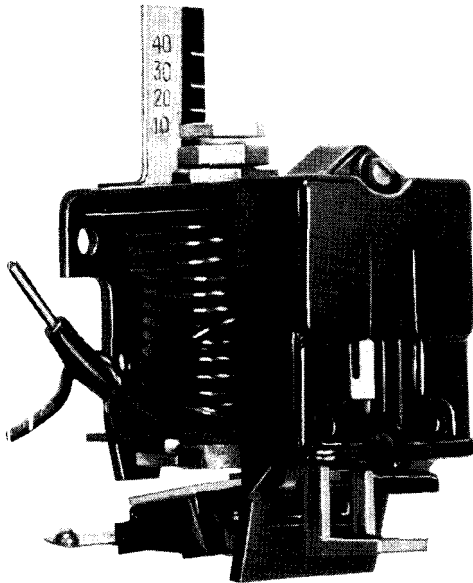


Westinghouse



Operation Indicators, Instantaneous Trips, and Contactor Switches

For Protective Relays



Indicating Instantaneous Trip (IIT)

Style Numbers of IIT Units

IIT Unit Style Number①	Ampere Rating	Trip Reference	Target Marking	Coil Style Number (Ref. 5)
3491A24G09	4-16	Single	1	58C8311G12
3491A24G10	10-40	Single	1	1875 040
3491A24G11	20-80	Single	1	1875 041
3491A24G12	40-160	Single	1	1875 042
3491A24G13	2-8	Single	1	1876 933
3491A24G14	1.5-6	Single	1	540D627G15
3491A24G15	1-4	Single	1	540D627G16
3491A24G17	4-16	Double	1	58C8311G12
3491A24G18	10-40	Double	1	1875 040
3491A24G19	20-80	Double	1	1875 041
3491A24G20	40-160	Double	1	1875 042
3491A24G21	2-8	Double	1	1876 933
3491A24G22	1.5-6	Double	1	540D627G15
3491A24G23	1-4	Double	1	540D627G16
3491A24G24	.5-2	Double	1	540D627G17
3491A25G09	4-16	Single	1	58C8311G12
3491A25G10	10-40	Single	1	1875 040
3491A25G11	20-80	Single	1	1875 041
3491A25G12	40-160	Single	1	1875 042
3491A25G13	2-8	Single	1	1876 933
3491A25G14	1.5-6	Single	1	540D627G01
3491A25G15	1-4	Single	1	540D627A02
3491A25G17	4-16	Double	1	58C8311G12
3491A25G18	10-40	Double	1	1875 040
3491A25G19	20-80	Double	1	1875 041
3491A25G20	40-160	Double	1	1875 042
3491A25G21	2-8	Double	1	1876 933
3491A25G22	1.5-6	Double	1	540D627G01
3491A25G23	1-4	Double	1	540D627G02
② 3491A25G27	10-40	Single	No Target	1875 040
3491A26G09	Voltage	Single	1	540D627G18
3491A26G10	0.3	Single	1	540D627G19
② ④ 3491A26G11	Voltage	Single	No Target	540D627G18

The unit styles do not include stationary contacts or hardware to mount and connect unit.

① Refer to Renewal Parts Publication covering specific type of complete relay to select ICS unit and/or IIT unit styles.

② Unit has no target - does not use ref 2 or 9, page 3.

③ Unit has no contacts - does not use ref 7, 8, 14, 15, 16 or 18 page 3.

④ Unit has no scale ref 17 on page 3.

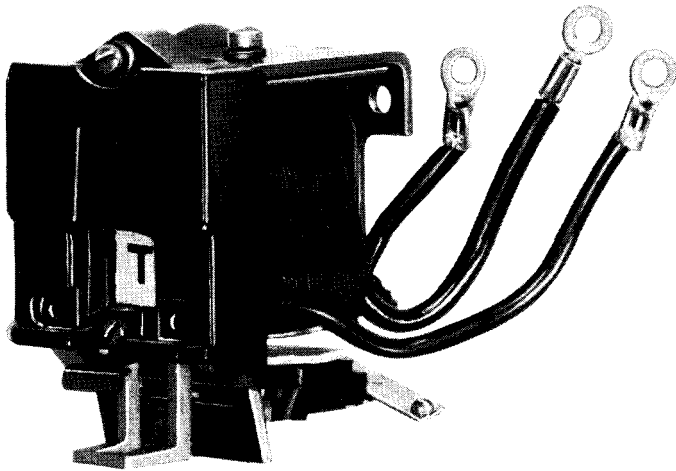
⑤ Wire range with tap block. See page 4 for parts.

IIT Unit Style Number①	Ampere Rating	Trip Reference	Target Marking	Coil Style Number (Ref. 5)
④ 3491A26G12	Voltage	Single	O	540D627G18
④ 3491A26G13	Voltage	Single	U	540D627G03
② 3491A28G09	10-40	Single	No Target	1875 040
② 3491A28G10	4-16	Single	No Target	58C8311G12
② 3491A28G11	20-80	Single	No Target	1875 041
② 3491A28G12	2-8	Single	No Target	1876 933
④ ② 3491A28G13	4-16	Single	No Target	58C8311G12
④ ② 3491A28G14	Voltage	Single	No Target	540D627G22
④ ② 3491A28G15	Voltage	Single	No Target	540D627G13
④ ② 3491A28G16	Voltage	Single	No Target	540D627G14
④ ② 3491A28G17	4-16	Single	No Target	58C8311G13
④ ② 3491A28G18	1	Single	No Target	288B744G05
② 3491A28G19	4-16	Single	No Target	58C8311G13
② 3491A28G20	4-16	Single	No Target	58C8311G12
② 3491A28G21	2-8	Single	No Target	58C8311G07
② 3491A29G09	20-80	Single	No Target	1875 041
② 3491A29G10	1-4	Single	No Target	540D627G02
② 3491A29G11	2-8	Single	No Target	1876 933
② 3491A29G12	10-40	Single	No Target	1875 040
② 3491A29G13	40-160	Single	No Target	1875 042
② 3491A29G14	.5-2	Single	No Target	540D627G17
② 3491A29G15	1-4	Single	No Target	540D627G16
② 3491A29G16	4-16	Single	No Target	58C8311G12
② 3491A29G17	.5-2	Single	No Target	540D627G17
② 3491A29G18	20-80	Single	No Target	58C8311G18
② 3491A29G21	20-80	Double	No Target	1875 041
④ 3491A30G09	.25	Single	T	540D627G06
④ 3491A30G10	.25	Single	Blank	540D627G06
④ 3491A30G11	.25	Single	U	540D627G23
④ 3491A30G12	.25	Single	O	540D627G06
④ 3491A30G13	2	Single	T	1876 933
④ 3491A30G14	2	Single	L	1876 933
④ 3491A30G15	.15	Single	T	540D627G08
④ 3491A30G16	1-4	Single	Blank	540D627G02
④ 3491A30G17	.15	Double	Blank	540D627G08
④ 3491A30G18	.25	Double	Blank	540D627G06
④ 3491A30G19	4-16	Double	Blank	58C8311G13
④ 3491A30G20	.5-2	Single	Blank	540D627G09
④ 3491A30G21	2	Single	O	1876 933
④ 3491A30G22	2	Single	U	58C8311G07
④ 3491A30G23	.5	Double	Blank	540D627G17
④ 3491A30G24	.1	Double	Blank	540D627G24
④ 3491A31G09	65 Volts	Double	1	540D627G18
④ ② 3491A31G10	Special	Double	No Target	540D627G18
④ 3491A31G11	.3	Double	1	540D627G19
④ 3491A39G09	.5	Single	T	540D627G09
④ 3491A39G10	1-4	Single	U	540D627G02
④ 3491A39G11	.5-2	Double	Blank	540D627G09
④ 3491A39G12	.5	Single	Blank	540D627G17
④ 3491A39G13	1	Single	Blank	540D627G16
④ 3491A39G14	2	Single	Blank	540D627G09
④ 3491A39G15	1	Single	T	540D627G02
④ 3491A40G09	2-8	Single	T	1876 933
3491A41G09	40-160	Single	H	1875 042
3491A41G10	10-40	Single	L	1875 040
3491A42G09	20-80	Single	2	1875 051
3491A42G10	.5-2	Single	1	540D627G17
3491A42G11	10-40	Single	2	1875 040
3491A42G12	.5-2	Single	1	540D627G09
3491A42G13	10-40	Single	2	58C8311G09
3491A42G14	20-80	Single	2	58C8311G10
3491A42G15	1.5-6	Single	1	540D627G15
3491A42G16	4-16	Single	2	58C8311G13
3491A42G17	20-80	Single	3	58C8311G10
3491A42G18	10-40	Single	3	58C8311G09
3491A42G19	40-160	Single	2	58C8311G11
3491A42G20	2-8	Single	2	58C8311G07
3491A42G21	20-80	Single	Blank	1875 041
3491A42G22	40-160	Single	Blank	1875 042
3491A42G23	40-160	Single	2	1875 042
3491A42G24	40-160	Single	3	58C8311G11
③ 3502A28G09	2-48	Single	1	265C027G01
③ 3502A28G10	2-48	Double	1	265C027G02
③ 3502A28G11	6-144	Single	1	265C027G02
③ 3502A28G12	6-144	Double	1	265C027G02

April, 1976

Supersedes RPD 41-852A1 dated February, 1974
E, D, C/2781, 2782, 2787/PL, DB

Westinghouse



Indicating Contactor Switch (ICS)

Style Numbers of ICS Units

ICS Unit Style Number①	Ampere Rating	Trip Reference	Target Marking	Coil Style Number (Ref. 24)
3491A34G09	.2-2	Single	3	407C595G02
3491A34G10	1	Double	Blank	288B744G05
②3491A34G11	.2-2	Single	No Target	407C595G02
②3491A34G12	.2-2	Single	No Target	407C595G01
3491A34G13	.2-2	Single	No Target	407C595G01
3491A34G14	1	Single	Blank	288B744G07
3491A34G15	.2-2	Single	1	407C595G02
3491A34G16	.2-2	Single	2	407C595G01
3491A34G17	4 Volt	Single	1	540D627G14
3491A34G18	4 Volt	Double	1	540D627G14
②3491A34G19	.2-2	Double	No Target	407C595G02
②3491A34G20	.2-2	Double	No Target	407C595G01
②3491A34G21	.2-2	Single	No Target	407C595G02
3491A34G22	.2-2	Double	2	407C595G02
3491A34G23	1-1.2	Double	Blank	288B744G05
3491A34G24	.2-2	Single	0	407C595G02
3491A34G25	.2-2	Single	U	407C595G01
3491A34G26	.2-2	Single	7	407C595G01
3491A34G27	.2-2	Double	3	407C595G02
3491A34G28	.2-2	Double	2	407C595G01
②3491A34G29	2	Single	No Target	288B744G06
3491A34G30	.2-2	Double	Blank	407C595G02
3491A34G31	.2-2	Double	Blank	407C595G01
3491A34G32	.2-2	Single	Blank	407C595G01
3491A34G33	120 Volt	Single	Blank	540D627G22
3491A34G34	.1	Single	Blank	540D627G10
3491A34G35	.1	Single	1	540D627G10
3491A34G36	.1	Single	2	540D627G10
3491A34G37	.1	Single	3	540D627G10
3491A34G38	.035	Single	2	540D627G07
3491A34G39	120	Double	Blank	540D627G22
3491A35G09	2	Single	Blank	288B744G06
3491A35G10	.6-2	Single	Blank	407C595G04
3491A35G11	.6-2	Single	Blank	407C595G03
3491A36G09	1	Single	Z	288B744G05
3491A36G10	1	Single	1	288B744G05
3491A36G11	1	Double	1	288B744G05
3491A36G12	Voltage	Double	Blank	540D627G07
3491A36G13	1	Single	T	288B744G07
3491A36G14	1	Single	Blank	288B744G08
3491A36G15	1	Single	Blank	288B744G02

The unit styles do not include stationary contacts or hardware to mount and connect unit.

① Refer to Renewal Parts Publication covering specific type of complete relay to select ICS unit and/or IIT unit styles.

② Unit has no target – does not use ref 21 or 27, page 3.

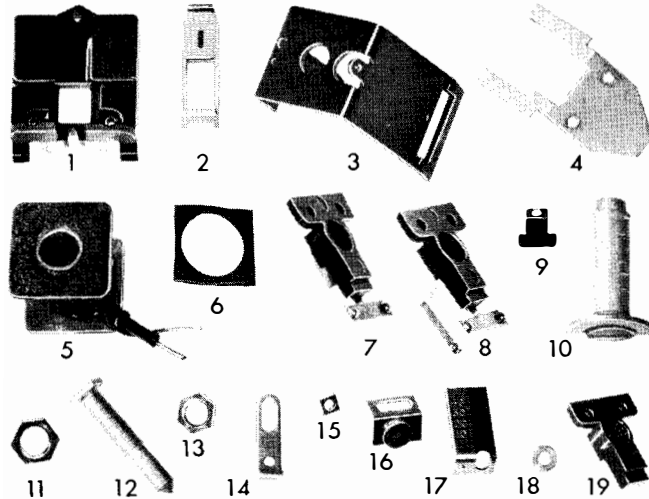
③ Unit has no contacts – does not use ref 25, 26, 29, 30, 31 or 32, page 3.

ICS Unit Style Number①	Ampere Rating	Trip Reference	Target Marking	Coil Style Number (Ref.24)
3491A36G16	.1	Double	Blank	540D627G10
3491A36G17	.02	Double	Blank	540D627G11
3491A36G18	4 Volt	Single	U	540D627G07
3491A36G19	.2-2	Double	1	407C595G01
②3491A36G20	.2	Single	No Target	540D627G21
3491A36G21	.2-2	Single	1	407C595G02
3491A36G22	.2-2	Single	2	407C595G02
3491A36G23	.2-2	Single	3	407C595G02
3491A36G24	2	Double	Z	288B744G03
3491A36G25	2	Double	D	288B744G03
3491A36G26	.02	Single	T	540D627G11
3491A36G27	2	Single	Z	288B744G03
3491A36G28	2	Single	D	288B744G03
3491A36G29	.2-2	Single	3	407C595G01
3491A36G30	4 Volt	Single	1	540D627G14
②3491A36G31	1	Single	No Target	288B744G02
3491A36G32	1	Single	1	288B744G05
3491A36G33	1	Single	Blank	288B744G05
3491A36G34	.2	Single	Blank	540D627G21
②3491A36G35	1	Single	No Target	288B744G05
3491A36G36	.02	Single	Blank	540D627G11
3491A36G37	1	Single	3	288B744G05
3491A36G38	1	Single	1	288B744G02
3491A36G39	1	Single	2	288B744G02
3491A37G09	.2-2	Single	T	407C595G02
3491A37G10	.2-2	Double	T	407C595G02
3491A37G11	.2-2	Double	T	407C595G01
3491A37G12	.2-2	Double	T	407C595G01
3491A37G13	.2-2	Single	T	407C595G01
3491A37G14	.2-2	Single	1	407C595G01
3491A37G15	.2-2	Single	2	407C595G02
3491A37G16	.2-2	Double	Z	407C595G02
3491A37G17	.2-2	Single	Blank	407C595G02
3491A37G18	.2-2	Double	Blank	407C595G02
3491A37G19	.2-2	Double	Blank	407C595G01
3491A37G20	.2-2	Double	Blank	407C595G01
3491A37G21	.2-2	Single	Blank	407C595G01
3491A37G22	.2-2	Double	D	407C595G02
3491A37G23	1	Single	Blank	288B744G05
3491A37G24	1	Double	Blank	288B744G02
②3491A37G25	Voltage	Single	No Target	540D627G20
3491A37G26	.2-2	Single	1	407C595G01
3491A37G27	.2-2	Single	Z	407C595G01
3491A37G28	.2-2	Double	1	407C595G01
3491A37G29	Voltage	Single	O	540D627G14
3491A37G30	.2-2	Single	U	407C595G02
3491A37G31	1	Double	T	288B744G02
3491A37G32	1	Double	Z	288B744G05
②3491A37G33	4 Volts	Single	No Target	540D627G07
②3491A37G34	Voltage	Double	No Target	540D627G14
3491A37G35	1	Single	T	288B744G02
3491A37G36	.5-2	Single	Blank	540D627G14
3491A37G37	.2-2	Single	L	407C595G01
3491A37G38	.2-2	Single	Blank	407C595G01
3491A37G39	1	Double	D	288B744G02
⑤3491A65G09	3	None	Blank	288B744G01
⑤3491A65G10	3	None	Blank	288B744G04
⑤3491A65G11	1	None	Blank	288B744G05
⑤3491A65G12	3	None	T	288B744G01
⑤3491A65G13	.035 42	None	Blank	540D627G07
⑤				
⑤3491A65G15	1	None	T	288B744G02
⑤3491A65G16	1	None	Blank	288B744G02
⑤3491A65G17	120 Volt ac	None	Blank	540D627G13
⑤3491A65G18	.02	None	Blank	540D627G11
⑤3491A65G19	.2	None	1	540D627G21
⑤3491A65G20	1 to 4	None	Blank	540D627G02
⑤3491A65G21	1 to 4	None	T	540D627G02
⑤3491A65G22	1	None	1	288B744G05
⑤3491A65G23	1	None	2	288B744G05
⑤3491A65G24	1	None	3	288B744G02
⑤3491A65G25	.2-2	None	Blank	407C595G01
⑤3491A65G26	.25	None	Blank	540D627G06
⑤3491A65G27	1	None	1	288B744G02
⑤3491A65G28	1	None	2	288B744G02
⑤3491A65G29	1	None	3	288B744G05
⑤3491A65G30	.2-2	None	Blank	407C595G02
⑤3491A66G09	.2-2	None	U	407C595G01
⑤3491A66G10	.2-2	None	O	407C595G02
⑤3491A66G11	2	None	Blank	288B744G03

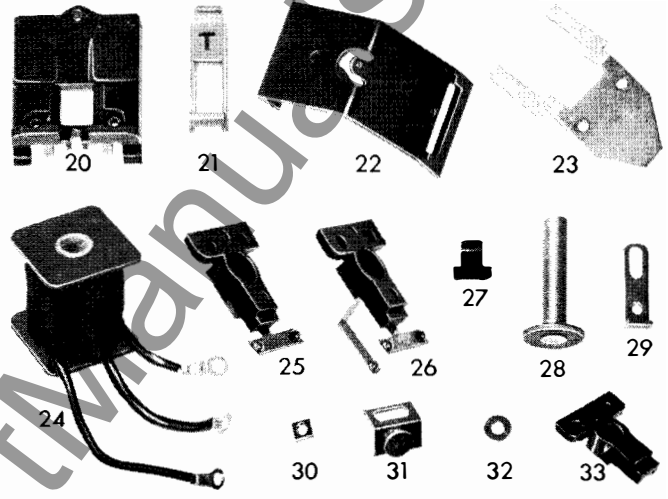
Operation Indicators, Instantaneous Trips, and Contactor Switches

For Protective Relays

Parts for IIT Type Unit



Parts for ICS Type Unit



Reference Number	Description of Part	Style Number of Part	Reference Number	Description of Part	Style Number of Part
1	Cover and spring assembly	1730 683	20	Cover and spring assembly	1730 683
②	Target - marked "I"	1732 880	②1	Target - blank - no marking	1732 879
②	Target - marked "2"	1732 883	②1	Target - marked "1"	1732 880
②	Target - blank - no marking	1732 879	②1	Target - marked "2"	1732 883
②	Target - Marked "3"	1732 884	②1	Target - marked "3"	1732 884
②	Target - marked "T"	1732 881	②1	Target - marked "7"	53C9092H15
②	Target - marked "O"	53C9092H12	②1	Target - marked "D"	1878 656
②	Target - marked "H"	53C9092H16	②1	Target - marked "L"	53C9092H14
②	Target - marked "U"	53C9092H13	②1	Target - marked "O"	53C9092H12
②	Target - marked "L"	53C9092H14	②1	Target - marked "U"	53C9092H13
3	Yoke	1732 886	②1	Target - marked "T"	1732 881
4	Armature	1732 871	②1	Target - marked "Z"	1878 309
★5	Coil	See table page 1	22	Yoke	1732 885
6	Felt washer	1001 558	23	Armature	1732 871
★7	Moving contact assembly - for single trip units	880A769G09	★24	Coil	See table page 2
★⑦8	Moving contact assembly for double trip units	880A769G21	★25	Moving contact assembly for single trip units	880A769G09
9	Guard - used only for units with targets	183A009H01	★⑦26	Moving contact assembly for double trip units	880A769G21
10	Core and loop assembly	1732 886	27	Guard	183A009H01
11	Nut to hold core	1732 939	28	Core assembly	1732 865
12	Adjusting core screw	1732 863	★29	Stationary contact (two per unit) for single and double trip	1732 868
13	Nut to lock adjusting core screw	877 557	30	Nut for stationary contact screw	1008 149
★14	Stationary contacts (two per unit) for single and double trip units	1732 868	★31	Stationary contact - for double trip units only	183A860G02
15	Nut for stationary contact screw	1008 149	32	Spacer - for ref 31 - only when used	183A358H14
★16	Stationary contact - for double trip units only	183A860G02	③33	Molded block - no contacts	290B245H01
17	Scale - blank - no marking	289B851H07			
17	Scale - 5-2 amperes	289B851H09			
17	Scale - 1-4 amperes	289B851H01			
17	Scale - 1.5-6 amperes	289B851H08			
17	Scale - 2-8 amperes	289B851H02			
17	Scale - 4-16 amperes	289B851H03			
17	Scale - 10-40 amperes	289B851H04			
17	Scale - 20-80 amperes	289B851H05			
17	Scale - 40-160 amperes	289B851H06			
18	Spacer - for ref 16 - only when used	183A358H14			
③19	Molded block - no contacts	290B245H01			

- ★ Parts recommended for stock.
- ③ See page 1 for target and target marking required.
- ⑦ If moving contact assembly (double trip) has a "pig tail" type wire lead attached - order S # 184A017G01 kit of parts instead of 880A769G21.
- ③ For units with no contacts - identified with this ③ mark on page 1.

- ★ Parts recommended for stock.
- ③ See page 2 for target and target marking required.
- ⑦ If moving contact assembly (double trip) has a "pig tail" type wire lead attached - order S # 184A017G01 kit of parts instead of 880A769G21.
- ③ For units with no contacts - identified with this ③ mark on page 2.

Ordering Information

Name the part and give its style number.
Give the complete nameplate reading.
State method of shipment desired.
Send all orders or correspondence to nearest sales office of the company.

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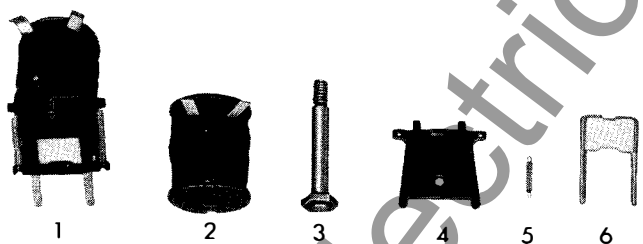
Parts For Wide Range IIT Unit

Reference Number	Description of Part	Style Number of Parts
1	Cover and Spring Assembly.....	1730 683
2	Target - Marked 1.....	1730 880
3	Yoke.....	55B6719H03
4	Armature.....	1732 871
5	Coil and Tap Block Assembly.....	See Table Page 1
△	Tap Plate for 2-48 Ampere Unit.....	209P921H01
△	Tap Plate for 6-144 Ampere Unit.....	209P922H01
6	Insulated Tap Screw.....	1545 282
7	Moving Contact Assembly - Single Trip.....	880A769G09
8	Moving Contact Assembly - Double Trip.....	880A769G21
9	Core and Loop Assembly.....	1732 886
10	Adjusting Core Screw.....	1732 863
△	Stationary Contacts ^② for Single and Double Trip Units.....	1732 868
△	Stationary Contact for Double Trip Unit Only.....	183A860G02

△ = Not illustrated.



Operation Indicator



Reference Number	Description of Part	Style Number of Part
1	Operation Indicator Complete.....	See Table
2	Coil.....	See Table
3	Core.....	1341 451
4	Armature.....	878 804
△	Armature with weight.....	1732 989
5	Spring ^②	704 707
6	Vane.....	878 805
△	Cover - Unmarked.....	704 703
△	Frame.....	704 702

△ Not illustrated.

② Two required.

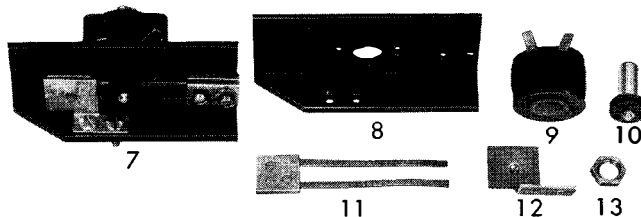
Parts indented are included in the part under which they are indented.

Operation Indicator Complete		Style Number of Part
Style Number	Ampere Rating	Coil
719B405G09	.2	704 708
719B405G10	.1	718 731
719B405G11	1	718 732
719B405G12	1	718 732
719B405G13	1	718 732
719B405G14	2	837 881
719B405G15	1	718 732
719B405G16	.03	1099 562
719B405G17	.2 or 1.0	1339 320
719B405G18	.1	718 731
719B405G19	.2	704 708
719B405G20	3	1731 356
719B405G21	5	1731 357
719B405G22	7.5	1731 358
719B405G23	10	1731 359
719B405G24	15	1731 360
719B405G25	20	1731 361
719B405G26	25	1731 362
719B405G27	30	1731 363
719B405G28	40	1731 364
719B405G29	50	1731 365
719B405G30	.026	19A8030G07
719B405G31	.04	19A8030G09
719B405G32	.013	19A8030G12

Operation Indicators, Instantaneous Trips, and Contactor Switches

For Protective Relays

Contactor Switch (Circuit Opening)



Contactor Switch (Circuit Opening) Complete

Style Number	Style Number of Part		
	Coil	Base	Plunger
3494A09G08	836 218	1207 599	72B0559G08
3494A09G09	836 216	1207 599	72B0559G08
3494A09G10	836 218	1207 599	1545 727
3494A09G11	836 216	1207 599	1545 727
3494A09G12	836 216	1545 623	1545 727
3494A09G13	836 216	1207 599	1545 727
3494A09G14	836 224	1207 599	1545 727

Reference Number	Description of Part	Style Number
7	Contactor Switch Complete	See Table
8	Base	See Table
9	Coil	See Table
△	Frame	877 093
10	Plunger Assembly	See Table
11	Moving Contact Assembly	1096 230
12	Stationary Contact	1003 835
△	Core Assembly	1337 251
13	Nut to Lock Core	877 557

△ Not illustrated.

Parts indented are included in the part under which they are indented.

Contactor Switch (Non-Bounce Contacts)

Description of Part	Style Number of Part
Plate-Micarta	1102 840
Frame	877 093
Coil	See Table
Core & Tube Assembly	See Table
Nut to Lock Core	877 557
Plunger Assembly	See Table
Upper Contact on Bracket	1102 839
Lower Contact on Bracket	1731 048
Moving Contact Assembly	1102 835

Contactor Switch (Make and Break)

Description of Part	Style Number of Part
Frame	877 093
Coil	836 226
Core Assembly	See Table
Nut to Lock Core	877 557
Insulation Plates to Frame	704 718
Plunger Assembly	1008 389
Upper Plate with Contacts	934 747
Lower Plate with Contacts	See Table

Contactor Switch (Non-Bounce Con- tacts) Complete

Style Number	Style Number of Part		
	Coil	Plunger	Core and Tube Assembly
3491A32G09	836 220	1731 046	930 326
3491A32G10	836 226	1731 046	930 326
3491A32G11	704 724	1731 046	930 326
3491A32G12	836 226	53C0440G03	27C0824G14

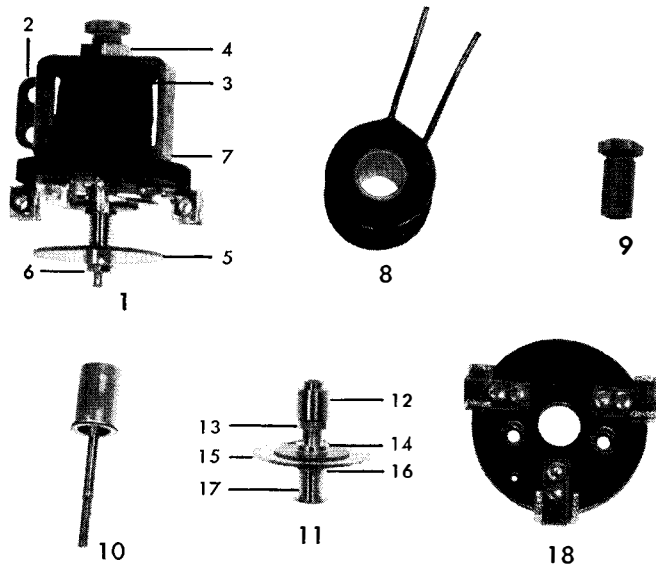
Contactor Switch (Make and Break) Complete

Style Number	Style Number of Part			
	Coil	Lower Plate	Core Assembly	Plunger Assembly
3490A29G09	836 223	1731 052	837 764	939 964
3490A29G10	836 226	1731 052	837 764	939 964
3490A29G11	836 216	1731 052	877 204	939 964
3490A29G12	836 219	1731 052	837 764	939 964
3490A29G13	836 222	934 748	877 204	1008 389
3490A29G14	1096 789	32C071G03	877 204	877 105
3490A29G15	1096 789	1731 052	877 204	939 964

Westinghouse



ITH Unit



Reference Number	Description of Part	Style Number
1	ITH Unit Complete	See Table
2	Frame	877 093
3	Washer Between Coil and Frame	1732 812②
4	Locking Nut for Corescrew	877 557
5	Disc and Hub	877 201
6	Nut to Lock Disc & Hub	877A220H17
7	Insulation Washer (between contact plate and frame)	1732 688
8	Coil	See Table
9	Core Screw	1725 888
10	Core and Stud Assembly	182A908G01
11	Plunger & Contact Assembly	1875 714
12	Plunger Steel	1725 894
13	Locknut	1725 895
14	Plunger	1725 893
15	Moving Contact	877 092
16	Washer	1000 796
17	Spring	1876 978
18	Stationary Contacts on Plate	1003 800

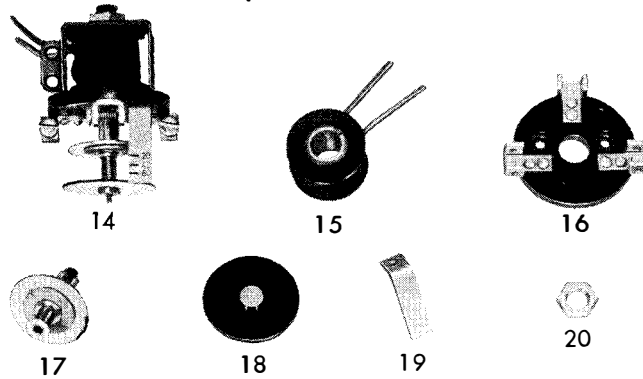
② Two required.

ITH Unit Complete Style Number	Style Number of Part Ampere Rating	Coil Ref. #8
3491A23G05	1-2	1730 670
3491A23G06	2-4	1730 671
3491A23G07	4-8	1730 672
3491A23G08	8-16	1730 673
3491A23G09	4-12	1876 974
3491A23G10	1-2	1730 670
3491A23G11	2-4	1730 671
3491A23G12	4-8	1730 672
3491A23G13	6-12	1876 974
3491A23G14	8-16	1730 673
3491A23G15	.25-.50	1724 216
3491A23G16	.25-.50	1724 216
3491A23G17	.50-1	1724 217
3491A23G18	.50-1	1724 217
3491A23G19	16-32	1956 208
3491A23G20	16-32	1956 208
3491A23G21	6-12	1876 974
3491A23G22	6-12	1876 974
3491A23G23	.032-.064	1961 160
3491A23G24	30-60	1961 990
3491A23G25	20-40	290B163G68
3491A23G26	.020-.040	290B163G69
3491A23G27	4-8	1730 672
3491A23G28	10-20	290B163G70
3491A23G29	.032-.064	1961 160
3491A23G30	4-8	1730 672
3491A23G31	1-2	290B163G71
3491A23G32	30-60	1961 990
3491A23G33	2-4	1730 671
3491A23G34	.5-1	1724 217

Operation Indicators, Instantaneous Trips, and Contactor Switches

For Protective Relays

Instantaneous Trip Unit



Reference Number	Description of Part	Style Number of Part
14	Instantaneous Trip Switch Complete	See Table
15	Coil	See Table
16	Contacts on Plate	See Table
△	Contact Spring Only for 1337 106 Plate	13D5792G01 ①
△	Frame	877 093
17	Plunger With Contact Disc	See Table
△	Core and Stud Assembly	See Table
18	Disc-Micarta	704 717
18	Disc and Hub Assembly	877 201
19	Scale - Right Front - Blank	821 826
19	Scale - Left Rear - Blank	877 209
20	Nut to Lock Core	877 557
△	Insulation - Contact	
△	Plate to Frame	704 718

① Three required.

△ Not illustrated.

Parts indented are included in the part under which they are indented.

Instantaneous Trip Unit Complete Style Number	Part Style Number			
	Coil Ref. # 15	Contacts On Plate Ref. # 16	Plunger Ref. # 17	Core and Stud
3490A24G09	1096 785	1003 800	1095 729	1731 051
3490A24G10	1096 786	1003 800	1095 729	1731 051
3490A24G11	1096 787	1003 800	1095 729	1731 051
3490A24G12	1055 809	1003 800	1095 729	1731 051
3490A24G13	1096 788	1003 800	1095 729	1731 051
3490A25G14	1096 789	1003 800	1095 729	1731 051
3490A24G15	1055 820	1003 800	1095 729	1731 051
3490A24G16	1055 821	1003 800	1095 729	1731 051
3490A24G17	1055 822	1003 800	1095 729	1731 051
3490A24G18	1096 900	1003 800	1095 729	1731 051
3490A24G19	1096 789	1003 800	1095 729	1731 051
3490A24G20	1055 820	1003 800	1095 729	1731 051
3490A24G21	1055 821	1003 800	1095 729	1731 051
3490A24G22	1055 822	1003 800	1095 729	1731 051
3490A24G23	1096 788	1003 800	1095 729	1731 051
3490A24G24	1096 785	1003 800	1095 729	1731 051
3490A24G25	1956 806	1003 800	1095 729	1731 051
3490A24G26	1956 806	1003 800	1095 729	1731 051
3490A24G27	1956 806	1003 800	1095 729	1731 051
3490A24G28	1356 662	1003 800	1095 729	1731 051
3490A24G29	1096 788	1003 800	877 105	877 102
3490A30G18	1055 821	1003 800	877 105	930 327
3490A30G19	1956 662	1003 800	877 105	877 102
3490A30G21	1538 666	1003 800	877 105	877 102
3490A30G22	1538 668	1003 800	877 105	877 102
3490A30G23	836 206	1003 800	877 105	877 102
3490A30G24	836 203	1003 800	877 105	877 102
3490A30G25	1538 667	1003 800	877 105	877 102
3490A30G26	1538 669	1003 800	877 105	877 102
3490A30G27	836 203	1003 800	877 105	877 102
3490A30G28	1538 666	1003 800	877 105	877 102
3490A30G29	836 200	1003 800	877 105	877 102
3490A30G30	836 212	1003 800	722 950	1731 051
3490A30G31	1055 821	1003 800	877 105	877 102
3490A30G32	290B163G69	1003 800	877 105	877 102
3491A62G09	1096 789	1337 106	1095 729	1731 051
3491A62G10	1055 820	1337 106	1095 729	1731 051
3491A62G11	1055 821	1337 106	1095 729	1731 051
3491A62G12	1055 822	1337 106	1095 729	1731 051
3491A62G13	1096 785	1337 106	1095 729	1731 051
3491A62G14	1096 788	1337 106	1095 729	1731 051
3491A62G15	1096 786	1337 106	1095 729	1731 051
3491A62G16	1096 787	1337 106	1095 729	1731 051
3491A62G17	1055 809	1337 106	1095 729	1731 051

Operation Indicators, Instantaneous Trips, and Contactor Switches

For Protective Relays

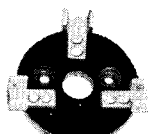
Contactor Switch (Circuit Closing)



21



22



23



24



25



26

Reference Number	Description of Part	Style Number of Part
21	Contactor Switch Complete.....	See Table
22	Coil.....	See Table
23	Stationary Contacts on Plate.....	See Table
△	Frame.....	877 093
24	Plunger Assembly.....	See Table
△	Core and Stud Assembly.....	See Table
25	Insulation Disc—when used.....	704 717
26	Locknut for Core.....	877 557
△	Insulation-Contact	
△	Plate to Frame.....	704 718

△ Not illustrated.
Parts indented are included in the part under which they are indented.

Contactor Switch Complete Style Number	Style Number of Part			
	Coil	Contacts On Plate Ref. # 23	Plunger Ref. # 24	Core
3490A22G05	704 724	1003 800	722 950	877 095
3490A22G06	1725 976	1003 800	722 950	877 095
3490A22G07	820 349	1003 800	722 950	877 095
3490A22G08	836 226	1003 800	722 950	877 095
3490A22G09	1099 969	1003 800	722 950	877 095
3490A22G10	836 224	1003 800	722 950	877 095
3490A22G11	836 227	1003 800	722 950	877 095
3490A22G12	836 218	1003 800	722 950	877 095
3490A22G13	836 203	1003 800	722 950	877 095
3490A22G14	836 223	1003 800	722 950	877 095
3490A22G15	704 724	1003 800	1095 729	877 095
3490A22G16	836 224	1337 106	722 950	877 095
3490A22G17	836 227	1003 800	722 950	877 095
3490A22G18	836 226	1337 106	722 950	877 095
3490A22G19	836 226	1337 106	722 950	877 095
3490A22G20	836 218	1003 800	722 950	877 095
3490A22G21	1730 672	1003 800	722 950	877 095
3490A25G05	939 997	1003 800	1095 729	1058 975
3490A25G06	1008 387	1003 800	1095 729	1058 975
3490A25G07	1155 339	1003 800	1095 729	1058 975
3490A25G08	1008 387	1003 800	1095 729	1058 975
3490A25G09	939 997	1003 800	1095 729	1058 975
3490A26G09	1096 900	1003 800	1095 729	1731 051
3490A26G10	836 228	1003 800	1095 729	1058 975
3490A30G09	836 228	1003 800	722 950	877 095
3490A30G10	1099 969	1003 800	722 950	877 095
3490A30G11	704 724	1003 800	722 950	930 326
3490A30G12	836 221	1003 800	722 950	877 095
3490A30G13	836 219	1003 800	722 950	877 095
3490A30G14	939 997	1003 800	1008 389	930 327
3490A30G15	1008 387	1003 800	1008 389	930 327
3490A30G16	1059 792	1003 800	1008 389	930 327
3490A30G17	836 219	1003 800	722 950	877 095
3490A18G09	1096 787	1204 738	1095 729	1058 975
3491A18G10	1096 787	1204 738	1095 729	1058 975
3491A18G12	836 226	1003 800	939 964	939 965
3491A18G13	836 224	1003 800	939 964	939 965
3491A18G14	836 221	1003 800	939 964	939 965