

WINDING AND SPRING DESIGNATIONS  
 APPARATUS CONNECTING POINTS REFERRED TO IN CIRCUIT REQUIREMENT TABLES  
 INDEX AND GENERAL INFORMATION

1. GENERAL

1.01 This section covers general information describing the method of designating winding and spring terminals of relays and other apparatus specified as connecting points in circuit requirement tables. It also describes the conventions employed to represent the apparatus on circuit drawings.

1.02 This section is reissued to cover a general revision of the information and to include changes resulting from the separation of Section A804.007 into subdivisions. Although this section and its associated sections are in fact Issue 1, together they form a revision of Section A804.007, Issue 3. For this reason they are being given issue number 4. Since this section covers a general revision, the arrows ordinarily used to indicate changes have been omitted.

1.03 The winding and spring designations are covered in the following separate sections.

<u>Section Number</u>	<u>Title</u>
A804.007.1	Winding and Spring Designations - Apparatus Connecting Points Referred to in Circuit Requirement Tables - Index and General Information

Section Number

Title

A804.007.2 Winding and Spring Designations - Apparatus Connecting Points Referred to in Circuit Requirement Tables - Standard Since 1931

A804.007.3 Winding and Spring Designations - Apparatus Connecting Points Referred to in Circuit Requirement Tables - Standard Prior to 1931

1.04 The figures in these sections illustrate the winding and contact spring terminal numbering of relays and other apparatus. They are merely representative examples of the general numbering scheme for the particular type of apparatus. They do not cover all the various arrangements of winding and contact spring terminals.

1.05 Reference is made to the front of the apparatus and to the rear of the apparatus as referring to the contact side and the terminal (wiring) side respectively.

1.06 The following index lists the apparatus in alphabetical and numerical order and gives the numbers of the paragraphs and figures in Sections A804.007.2 and A804.007.3 describing the winding and spring numbering.

INDEX FOR INFORMATION DESCRIBING THE WINDING AND CONTACT  
 SPRING NUMBERING FOR SPECIFIC TYPES OF APPARATUS

Apparatus	Type	Section A804.007.2 Method of Numbering Standard Since 1931		Section A804.007.3 Method of Numbering Standard Prior to 1931	
		Fig. No.	Par. No.	Fig. No.	Par. No.
Clutches	-	-	4.08	-	4.01
Commutators (Panel)	-	-	4.01	-	4.01
Conductors	-	-	4.02-4.06	-	4.01
Drops	22	57	4.07	29	4.02
	35	58	4.07	30	4.02
Drops Interrupters	56	59	4.07	31	4.02
	149	60	4.09	-	4.01
	152	60	4.09	-	4.01
	160	60	4.09	-	4.01
	161	60	4.09	-	4.01

## SECTION A804.007.1

Apparatus	Type	Section A804.007.2 Method of Numbering Standard Since 1931		Section A804.007.3 Method of Numbering Standard Prior to 1931	
		Fig. No.	Par. No.	Fig. No.	Par. No.
Interrupters	164	60	4.09	-	4.01
	165	60	4.09	-	4.01
	166	60	4.09	-	4.01
	167	60	4.09	-	4.01
	173	-	4.10	-	-
Magnets - Trip Networks	-	-	4.08	-	4.01
	176	61	4.11	-	-
	177	61	4.11	-	-
	178	61	4.11	-	-
Networks	179	61	4.11	-	-
	181	61	4.11	-	-
	182	61	4.11	-	-
	183	61	4.11	-	-
Registers, Message	184	61	4.11	-	-
	5	62	4.12	32	4.03
Registers, Message	12	62	4.12	-	-
Registers, Pen	14	62	4.12	-	-
	KS-3106	63	4.13	-	-
Relays	KS-3107	63	4.13	-	-
	A	1,2	2.01-2.11	1,2	2.01-2.03
Relays	B	3	2.12-2.14	3	2.04
	C	3	2.12-2.14	4	2.05
	E	1,2	2.01-2.11	1,2	2.01-2.03
	F	1,2	2.01-2.11	1,2	2.01-2.03
	G	3	2.12-2.14	3	2.04
Relays	H	1,2	2.01-2.11	1,2	2.01-2.03
	J	3	2.12-2.14	3	2.04
	L	4	2.15-2.16	5	2.06
	M	1,2	2.01-2.11	-	-
	N	4	2.15-2.16	5	2.06
Relays	R	1,2	2.01-2.11	1,2	2.01-2.03
	S	4	2.15-2.16	5	2.06
	T	1,2	2.01-2.11	1,2	2.01-2.03
	U	5,6,7	2.17-2.26	-	-
	Y	5,6,7	2.17-2.26	-	-
Relays	AB	1,2	2.01-2.11	-	-
	EA	1,2	2.01-2.11	-	-
	UA	5,6,7	2.17-2.26	-	-
	UB	5,6,7	2.27	-	-
	21	8	2.28	6	2.07
Relays	44	9	2.29	7	2.08
	85	10	2.30	8	2.09
	87	11	2.31	9	2.10
	89	12	2.32	10	2.11
	101	12	2.32	10	2.11
Relays	105	12	2.32	10	2.11
	108	12	2.32	10	2.11
	114	16	2.33	14	2.12
	118	12	2.32	10	2.11
	121	17	2.34	15	2.13
Relays	122	17	2.34	15	2.13
	124	16	2.33	14	2.12
	125	17	2.34	15	2.13
	126	16	2.33	14	2.12
	149	17	2.34	15	2.13
Relays	150	18	2.35	16	2.14
	162	17	2.34	15	2.13
	172	12	2.32	10	2.11
	174	16	2.33	14	2.12
	177	19	2.36	17	2.15

Apparatus	Type	Section A804.007.2 Method of Numbering Standard Since 1931		Section A804.007.3 Method of Numbering Standard Prior to 1931	
		Fig. No.	Par. No	Fig. No.	Par. No.
Relays	178	17	2.34	15	2.13
	179	17	2.34	15	2.13
	186	20	2.37	18	2.16
	189	15	2.32	11	2.11
	190	13	2.32	12	2.11
Relays	196	21	2.38	12	2.11
	198	16	2.33	14	2.12
	203	19	2.36	17	2.15
	206	22	2.39	19	2.17
	207	23	2.40	20	2.18
Relays	208	14	2.32	13	2.11
	209	24	2.41	21	2.19
	213	23	2.40	20	2.18
	214	14	2.32	13	2.11
	215	25	2.41	22	2.19
Relays	218	26	2.41	23	2.19
	221	28	2.42	25	2.20
	222	28	2.42	25	2.20
	223	28	2.42	25	2.20
	224	28	2.42	25	2.20
Relays	225	29	2.43	26	2.21
	227	22	2.39	19	2.17
	228	27	2.41	24	2.19
	229	30	2.44	27	2.22
	230	31	2.44	28	2.22
Relays	231	22	2.39	19	2.17
	232	31	2.44	-	-
	235	32	2.45	-	-
	236	1,2	2.01-2.11	-	-
	239	22	2.39	-	-
Relays	245	33	2.46	-	-
	247	28	2.42	-	-
	248	28	2.42	-	-
	251	28	2.42	-	-
	252	28	2.42	-	-
Relays	253	14	2.32	-	-
	254	33	2.46	-	-
	255	25	2.41	-	-
	260	-	2.57	-	-
	263	33	2.46	-	-
Relays	264	33	2.46	-	-
	266	34,35	2.47-2.53	-	-
	267	36,37	2.54	-	-
	268	23	2.40	-	-
	271	38	2.55	-	-
Relays	275	39	2.56	-	-
	276	39	2.56	-	-
	280	22	2.39	-	-
	KS-3067	40	2.58	-	-
	KS-5013	40	2.58	-	-
Relays	KS-5350	41-45	2.59-2.63	-	-
	KS-5381	40	2.58	-	-
	KS-5451	41-45	2.59-2.63	-	-
	KS-5483	40	2.58	-	-
	KS-6319	40	2.58	-	-
Relays	KS-6724	40	2.58	-	-
	KS-6902	46	2.64	-	-
	KS-6903	46	2.64	-	-
	KS-7252	46	2.64	-	-
	Relays - Adams Westake	KS-7800 to KS-7850	47	2.65	-

## SECTION A804.007.1

Apparatus	Type	Section A804.007.2 Method of Numbering Standard Since 1931		Section A804.007.3 Method of Numbering Standard Prior to 1931	
		Fig. No.	Par. No.	Fig. No.	Par. No.
Relay - Sensitrol	KS-7900	-	2.66	-	-
	KS-7901	-	2.66	-	-
Relays - Adams	KS-8171	-	2.67	-	-
Westake	KS-8280	47	2.65	-	-
	KS-8331	-	2.67	-	-
Relays - Dash Pot	-	48	2.69	-	-
Relays - Milli- ammeter	-	-	2.57	-	-
Relay - Sensitrol	KS-8383	-	2.66	-	-
	KS-8388	-	2.66	-	-
	KS-13542	-	2.68	-	-
Relay - Sensitrol	KS-13543	-	2.68	-	-
Relays - Voltmeter	-	-	2.57	-	-
Resistances	40	64	4.14	-	4.01
Selectors	200	-	4.15	-	4.01
	204	65	4.16	33	4.04
Selectors	206	-	4.15	-	4.01
	209	-	4.15	-	-
	211	-	4.15	-	-
Signals	34	66	4.17	34	4.05
	41	67	4.17	35	4.05
Signals	42	68	4.17	36	4.05
Switches	197	49	3.01-3.04	-	3.01
	198	49	3.01-3.04	-	3.01
	202	50	3.05	-	-
	211	50	3.05	-	-
Switches	212	50	3.05	-	-
	216	51	3.06	-	-
	217	51	3.06	-	-
	300-308	52,53	3.07-3.11	-	-
	314	52,53	3.07-3.11	-	-
Switches	315	52,53	3.07-3.11	-	-
	318	52,53	3.07-3.11	-	-
	324	52,53	3.07-3.11	-	-
	325	52,53	3.07-3.11	-	-
	328	52,53	3.07-3.11	-	-
Switches (Sequence)	-	54,55	3.13,3.14	-	3.01
Switches 25 Pt. Rotary	-	-	4.15	-	3.01
Switches, Transfer	KS-5264	56	3.15	-	-
Timers	1	69	4.18-4.19	-	-
	2	69	4.18-4.19	-	-
	3	-	4.20	-	-

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