WINDING AND SPRING DESIGNATIONS
APPARATUS CONNECTING POINTS REFERRED TO IN CIRCUIT REQUIREMENTS 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 incorporate material from the addendum in its proper location.

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

Section Number	Title
005-120-102	Winding and Spring Designations - Apparatus Connecting Points Referred to in Circuit Requirement Tables - Index and General Information
005-120-103	Winding and Spring Designations - Apparatus Connecting Points Referred to in Circuit Requirement Tables - Standard Since 1931
005-120-104	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 spring designations of relays and other apparatus. They are merely representative examples of the general designation scheme for the particular type of apparatus. They do not cover all the various arrangements of winding and 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 005-120-103 and 005-120-104 describing the winding and spring designations.

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

Apparatus	Type	Section 005-120-103 Designations Standard Since 1931		Section 005-120-104 Designations Standard Prior to 1931	
		Fig. No.	Par. No.	Fig. No.	Par. No.
Clutches	-	-	4.11	-	4.01
Commutators (Panel)	-	-	4.01	-	4.01
Conductors	-	-	4.02-4.06	-	4.01
Drops	22	76	4.07	29	4.02
	35	77	4.07	30	4.02
Drops	56	78	4.07	31	4.02
Inductors	274	79	4.08	-	-
Interrupters	149	80	4.09	-	4.01
	152	80	4.09	-	4.01
	160	80	4.09	-	4.01
Interrupters	161	80	4.09	-	4.01
	164	80	4.09	-	4.01
	165	80	4.09	-	4.01
	166	80	4.09	-	4.01
	167	80	4.09	-	4.01

Apparatus	Type	Section 005-120-103 Designations Standard Since 1931		Section 005-120-104 Designations Standard Prior to 1931	
		Fig. No.	Par. No.	Fig. No.	Par. No.
Interrupters	173	-	4.10	-	-
Magnets - Trip	-	-	4.11	-	4.01
Networks	176	81	4.12	-	-
	177	81	4.12	-	-
	178	81	4.12	-	-
Networks	179	81	4.12	-	-
	180	-	4.12	-	-
	181	81	4.12	-	-
	182	81	4.12	-	-
	183	81	4.12	-	-
Networks	184	-	4.12	-	-
	185	-	4.12	-	-
	186	-	4.12	-	-
Registers, Message	5	82	4.13	32	4.03
	12	82	4.13	-	-
Registers, Message	14	82	4.13	-	-
Registers, Pen	KS-3106	83	4.14	-	-
	KS-3107	83	4.14	-	-
Relays	A	1,2	2.01-2.11	1,2	2.01-2.03
	B	3	2.12-2.14	3	2.04
Relays	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
	H	1,2	2.01-2.11	1,2	2.01-2.03
Relays	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
	R	1,2	2.01-2.11	1,2	2.01-2.03
Relays	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	2.17-2.24	-	-
	Y	5,6,7	2.17-2.24	-	-
	AB	1,2	2.01-2.11	-	-
Relays	AF	8,10	2.26-2.28	-	-
	AG	8,10	2.26-2.28	-	-
	AJ	8-11	2.26-2.28	-	-
	AK	12,13	2.29-2.31	-	-
	EA	1,2	2.01-2.11	-	-
Relays	UA	5,6,7	2.17-2.24	-	-
	UB	5,6,7	2.25	-	-
	21	14	2.32	6	2.07
	44	15	2.33	7	2.08
	85	16	2.34	8	2.09
Relays	87	17	2.35	9	2.10
	89	18	2.36	10	2.11
	101	18	2.36	10	2.11
	105	18	2.36	10	2.11
	108	18	2.36	10	2.11
Relays	114	22	2.37	14	2.12
	118	18	2.36	10	2.11
	121	23	2.38	15	2.13
	122	23	2.38	15	2.13
	124	22	2.37	14	2.12
Relays	125	23	2.38	15	2.13
	126	22	2.37	14	2.12
	149	23	2.38	15	2.13
	150	24	2.39	16	2.14
	162	23	2.38	15	2.13

Apparatus	Type	Section 005-120-103 Designations Standard Since 1931		Section 005-120-104 Designations Standard Prior to 1931	
		Fig. No.	Par. No.	Fig. No.	Par. No.
Relays	172	18	2.36	10	2.11
	174	22	2.37	14	2.12
	177	25	2.40	17	2.15
	178	23	2.38	15	2.13
	179	23	2.38	15	2.13
Relays	186	26	2.41	18	2.16
	189	21	2.36	11	2.11
	190	19	2.36	12	2.11
	196	27	2.42	12	2.11
	198	22	2.37	14	2.12
Relays	203	25	2.40	17	2.15
	206	28	2.43	19	2.17
	207	29	2.44	20	2.18
	208	20	2.36	13	2.11
	209	30	2.45	21	2.19
Relays	213	29	2.44	20	2.18
	214	20	2.36	13	2.11
	215	31	2.45	22	2.19
	218	32	2.45	23	2.19
	221	34	2.46	25	2.20
Relays	222	34	2.46	25	2.20
	223	34	2.46	25	2.20
	224	34	2.46	25	2.20
	225	35	2.47	26	2.21
	227	28	2.43	19	2.17
Relays	228	33	2.45	24	2.19
	229	36	2.48	27	2.22
	230	37	2.48	28	2.22
	231	28	2.43	19	2.17
	232	37	2.48	-	-
Relays	235	38	2.49	-	-
	236	1,2	2.01-2.11	-	-
	239	28	2.43	-	-
	245	39	2.50	-	-
	247	34	2.46	-	-
Relays	248	34	2.46	-	-
	251	34	2.46	-	-
	252	34	2.46	-	-
	253	20	2.36	-	-
	254	39	2.50	-	-
Relays	255	31	2.45	-	-
	260	-	2.51	-	-
	263	39	2.50	-	-
	264	39	2.50	-	-
	266	40,41	2.52-2.58	-	-
Relays	267	42,43	2.59	-	-
	268	29	2.44	-	-
	271	44	2.60	-	-
	275	45	2.61	-	-
	276	45	2.61	-	-
Relays	280	28	2.43	-	-
	281	46	2.62	-	-
	282	47	2.63	-	-
	283	48	2.64	-	-
	286	49,51	2.65-2.67	-	-
Relays	287	50,52	2.65-2.67	-	-
	288	50,53	2.65-2.67	-	-
	289	54	2.68	-	-
	290	55	2.69	-	-
	291	45	2.61	-	-

Apparatus	Type	Section 005-120-103 Designations Standard Since 1931		Section 005-120-104 Designations Standard Prior to 1931	
		Fig. No.	Par. No.	Fig. No.	Par. No.
Relays	292	45	2.61	-	-
	293	56	2.70	-	-
	294	58	2.71	-	-
	295	57	2.70	-	-
Relays	301	45	2.61	-	-
	302	90	2.84	-	-
	303	45	2.61	-	-
	KS-3067	59	2.72	-	-
Relays	KS-5013	59	2.72	-	-
	KS-5350	60-64	2.73-2.77	-	-
	KS-5381	59	2.72	-	-
	KS-5451	60-64	2.73-2.77	-	-
	KS-5483	59	2.72	-	-
Relays	KS-6319	59	2.72	-	-
	KS-6724	59	2.72	-	-
	KS-6902	65	2.78	-	-
	KS-6903	65	2.78	-	-
	KS-7252	65	2.78	-	-
Relays - (Adams Westlake)	KS-7800 to KS-7850	66	2.79	-	-
- (Sensitrol)	KS-7900	-	2.80	-	-
- (Sensitrol)	KS-7901	-	2.80	-	-
- (Adams Westlake)	KS-8171	-	2.81	-	-
Relays - (Adams Westlake)	KS-8280	66	2.79	-	-
- (Adams Westlake)	KS-8331	-	2.81	-	-
- (Sensitrol)	KS-8383	-	2.80	-	-
- (Sensitrol)	KS-8388	-	2.80	-	-
	KS-13542	-	2.82	-	-
Relays	KS-13543	-	2.82	-	-
- A.E.Co. Types	-	34,35	2.46,2.47	25,26	2.20,2.21
- Dash Pot	-	67	2.83	-	-
- Milliammeter	-	-	2.51	-	-
- Voltmeter	-	-	2.51	-	-
Resistors	40	84	4.15	-	4.01
Selectors	200	-	4.16	-	4.01
	204	85	4.17	33	4.04
	206	-	4.16	-	4.01
	209	-	4.16	-	-
Selectors	211	-	4.16	-	-
Signals	34	86	4.18	34	4.05
	41	87	4.18	35	4.05
	42	88	4.18	36	4.05
Switches	197	68	3.01-3.05	-	3.01
Switches	198	68	3.01-3.05	-	3.01
	202	69	3.06	-	-
	211	69	3.06	-	-
	212	69	3.06	-	-
	216	70	3.07	-	-
Switches	217	70	3.07	-	-
	300-308	71,72	3.08-3.12	-	-
	314	71,72	3.08-3.12	-	-
	315	71,72	3.08-3.12	-	-
	318	71,72	3.08-3.12	-	-
Switches	324	71,72	3.08-3.12	-	-
	325	71,72	3.08-3.12	-	-
	328	71,72	3.08-3.12	-	-
- (Sequence)	-	73,74	3.14-3.15	-	3.01
- (25 Pt. Rot.)	-	-	4.16	-	3.01
Switches - Transfer	KS-5264	75	3.16	-	-
Timers	1	89	4.19-4.20	-	-
	2	89	4.19-4.20	-	-
	3	-	4.21	-	-