



Type C Limit Switch Cross Reference Telemecanique to Square D Class 9007



INTRODUCTION

The Square D Class 9007, Type C limit switch line will replace the Telemecanique Type C line. This Product Data Bulletin cross references Telemecanique Type C to Square D Type C (type number by type number). Any differences of the Square D Type C are noted next to the cross reference recommended. An in-depth comparison of the features and benefits, as well as a historical perspective is provided in Product Data Bulletin 9007PD9201 R1/95.

REFERENCE
MATERIAL AND
RECOMMENDATIONS

Although the two product lines are extremely similar in dimensions and operating characteristics, there may be some differences which could have some effect on the final application. Refer to steps and tables listed below before recommending any cross references.

- ❑ **Step 1:** Identify the specific Denison type C number and its cross reference to the Square D Type C number.
— *Refer to Table 1 on page 3.*
- ❑ **Step 2:** Identify the Telemecanique Type C switch modifications.
— *If a specific form or special feature is listed in Table 1, see Table 2 on page 18 for any differences or comments.*
— *If the specific type number is not listed in Table 1, use Table 2 to select the Square D Form or Type that matches the Telemecanique modification number.*
- ❑ **Step 3:** Compare the operating characteristics of the device selected. Determine if any differences will affect the application.
— *Refer to Table 3 on page 19.*
- ❑ **Step 4:** Compare the dimensions of the device selected. Determine if any differences will affect the application.
— *Refer to Table 4 on page 19.*
- ❑ **Step 5:** Compare the wiring diagram of the device selected. Determine if any differences will affect the application.
— *Refer to Table 5 on page 20.*

The type numbers listed in the tables do not show devices with arms unless the arms are an integral part of the switch. Lever arms are listed separately within the cross reference.

Paddle operated, gravity return and turnstile devices are not currently available (as of December, 1994) in the Square D Type C product line, but they are under consideration. Availability to be determined. For further information, please contact Product Marketing in Raleigh.

Air operated and solid state switches have been dropped from the Telemecanique catalog and are no longer available.

Complete switches are interchangeable between Telemecanique and Square D but component parts are not. If a component part is identified, you should order a complete new device. Telemecanique lever arms will only fit Telemecanique switches and Square D lever arms will only fit Square D switches. They are not interchangeable between the two Type C lines. When selecting a cross reference for a lever arm type switch, do not forget to select an appropriate lever arm from this cross reference to fit the new switch.

Table 1 Type Number Cross Reference

Telemecanique Part Number	Square D Class 9007 Type Number	Differences of 9007 C Switch
5304	None as of Dec. 1994	Pliers for adjusting paddle switches
1745 (C to M reducer)	None	
5387-1	None as of Dec. 1994	Paddle assembly for paddle switches
5387-9	KC	
5685	CT54	
5686	CT62	
5690	CO54	
5690-1	CO54	
5690-2	31032-450-03	
5690-3	CO54 Form P5	All pilot lights are prewired
5690-4	CO54 Form Y140	
5690-5	CO54 Form Y78	Check possible use of reed contacts
5691	CO68	For neutral position applications
	CO66	For two-stage applications
5691-1	CO68	For neutral position applications
	CO66	For two-stage applications
5691-2	CO68 Form P8	2 pilot lights, all pilot lights are prewired
5691-3	CO68 Form Y140	For neutral position applications
	CO66 Form Y140	For two-stage applications
5692	CO62	
5692-1	CO62	
5692-2	CO62 Form P8	2 pilot lights, all pilot lights are prewired
5692-3	CO62 Form Y140	
5810-1	CO54 and CT54	
5810-15	B54NC2	Order complete switch assembly
5810-2	CO54 Form Y78 & CT54	Check possible use of a reed switch
5810-3	CO54 Form P5 & CT54	All pilot lights are prewired
5810-4	CO54 & CT54 Form Y2051	
5810-5	CO54 & CT54 Form Y2051	1/2 inch conduit
5810-6	CO54 and CT54	
5812	CO62 & CT62	
5812-1	CO62 & CT62 Form Y2051	
5812-10	CO68 & CT62 Form Y2051	For neutral position applications
	CO66 & CT62 Form Y2051	For two-stage applications
5812-11	CO68 & CT62	For neutral position applications
	CO66 & CT62	For two-stage applications
5812-2	CO62 & CT62	
5812-5	CO62 Form Y78 & CT62	Check possible use of reed contacts
5812-9	CO68 & CT62	For neutral position applications
	CO66 & CT62	For two-stage applications
5902	BT1	
5902B	BT1	
6252-1	CO68 Form Y78	For neutral position applications, switch module only is not available
	CO66 Form Y78	For two-stage applications, switch module only is not available
6252-2	CO68	For neutral position applications, switch module only is not available
	CO66	For two-stage applications, switch module only is not available
6252-6	CO68	For neutral position applications, switch module only is not available
	CO66	For two-stage applications, switch module only is not available
6261-3	CO54	Switch module only is not available
6378	CO54	Switch module only is not available
6379	CO62	Switch module only is not available

►Gravity return is currently available in the 9007 Type B. Conversion for 9007 Type C is under consideration.

Table 1 Type Number Cross Reference (Continued)

Telemecanique Part Number	Square D Class 9007 Type Number	Differences of 9007 C Switch
7A1	MA11	
7A10	HA1	Adjustable length arm, 5/8" dia. roller
7A102N	HA20	Adjustable length arm, bendable, 1-5/8" dia. roller
7A10N	HA4	Adjustable length arm, 5/8" dia. roller
7A11	MA4	Nylon roller
7A11N	MA4	
7A1N	MA18	
7A1NS	MA18	Not corrosion proof
7A1R	MA9	11/16" dia. roller
7A2	AA1	5/8" dia. roller
7A2N	AA8	5/8" dia. roller
7A3	BA11	
7A31	BA4	Nylon roller
7A31N	BA4	
7A34N	BA4	1" dia. roller
7A3N	BA18	
7A3R	BA9	11/16" dia. roller
7A4	CA11	
7A41	CA4	Nylon roller
7A41N	CA4	
7A42N	CA4	1" dia. roller
7A44N	CA4	1" dia. roller
7A4N	CA18	
7A4R	CA9	11/16" dia. roller
7A5	DA11	
7A51	DA4	Nylon roller
7A51N	DA4	
7A5N	BA18	
7A5R	DA9	11/16" dia. roller
7A6	EA11	
7A61	EA4	Nylon roller
7A61N	EA4	
7A6N	EA18	
7A6R	EA9	11/16" dia. roller
7A7	CA11	2" long arm
7A71	CA4	Nylon roller
7A71N	CA4	
7A7N	CA18	2" long arm
7A7R	CA9	2" long arm, 11/16" dia. roller
7A8N	None	Telemecanique arm is 5" long, 9007 C has a max. length of 4"
7A91N	None	Telemecanique arm is 6" long, 9007 C has a max. length of 4"
7A9N	None	Telemecanique arm is 6" long, 9007 C has a max. length of 4"
7B1	MA12	5/8" wide roller
7B10N	HA4	Adjustable length arm, roller is 5/8" dia. x 1/4" wide
7B11	MA7	5/8" wide roller
7B11N	MA13	5/8" wide roller
7B1N	MA17	5/8" dia. x 5/8" wide roller
7B2	AA2	5/8" dia. x 5/8" wide roller
7B2N	AA17	5/8" dia. x 5/8" wide roller
7B3	BA12	5/8" wide roller
7B31	BA7	5/8" wide roller
7B31N	BA13	5/8" wide roller
7B3N	BA17	5/8" dia. x 5/8" wide roller

Table 1 Type Number Cross Reference (Continued)

Telemecanique Part Number	Square D Class 9007 Type Number	Differences of 9007 C Switch
7B4	CA12	5/8" wide roller
7B41	CA7	5/8" wide roller
7B41N	CA13	5/8" wide roller
7B44N	CA13	1" dia. x 5/8" wide roller
7B4N	CA17	5/8" dia. x 5/8" wide roller
7B5	DA12	5/8" wide roller
7B51	DA7	5/8" wide roller
7B51N	DA13	5/8" wide roller
7B5N	DA17	5/8" dia. x 5/8" wide roller
7B6	EA12	5/8" wide roller
7B61	EA7	5/8" wide roller
7B61N	EA13	5/8" wide roller
7B6N	EA17	5/8" dia. x 5/8" wide roller
7B7	CA12	2" long arm, 5/8" wide roller
7B71	CA7	2" long arm, 5/8" wide roller
7B71N	CA13	2" long arm, 5/8" wide roller
7B7N	CA17	2" long arm, 5/8" dia. x 5/8" wide roller
7B8N	None	Telemecanique arm is 5" long, 9007 C has a max. length of 4"
7B9N	None	Telemecanique arm is 6" long, 9007 C has a max. length of 4"
7C1	MA3	
7C1N	MA3	
7C3	BA3	
7C3N	BA3	
7C4	CA3	
7C4N	CA3	
7C5	DA3	
7C5N	DA3	
7C6	EA3	
7C6N	EA3	
7D	HA5	
7D0	None	Hub included with lever arms
7D1	HA3	5/8" wide roller
7D1N	HA23	5/8" wide roller
7D2	HA20	5/8" wide nylon roller
7D2N	HA20	5/8" wide roller
7D4	HA20	5/8" wide nylon roller
7D4N	HA20	5/8" wide roller
7DB	HA6	5/8" dia. x 5/8" wide roller
7DB1	HA23	5/8" wide nylon roller
7DB1N	HA23	5/8" wide roller
7DBN	HA8	5/8" dia. x 1/4" wide roller
7DF	HA6	5/8" dia. x 5/8" wide roller
7DF1	HA7	1" dia. x 5/8" wide roller
7DF1N	HA23	1" dia. x 5/8" wide roller
7DFN	HA23	1" dia. x 5/8" wide roller
7DJ	HA6	5/8" dia. x 5/8" wide roller
7DJN	HA23	1" dia. x 5/8" wide roller
7DN	HA8	5/8" wide roller
7DR	HA25	11/16" dia. roller
7E	FA1	10" long rod (includes hub)
7F10N	HA2	Adjustable length arm, roller is 5/8" dia. x 5/8" wide
7F11N	MA13	
7F1N	MA17	

Table 1 Type Number Cross Reference (Continued)

Telemecanique Part Number	Square D Class 9007 Type Number	Differences of 9007 C Switch
7F2N	AA17	5/8" dia. x 5/8" wide roller
7F31N	BA13	
7F3N	BA17	
7F41N	CA13	
7F4N	CA17	
7F51N	DA13	
7F5N	DA17	
7F61N	EA13	
7F6N	EA17	
7F71N	CA13	2" long arm
7F7N	CA17	2" long arm
7F8N	None	Telemecanique arm is 5" long, 9007 C has a max. length of 4"
7F9N	None	Telemecanique arm is 6" long, 9007 C has a max. length of 4"
7HS-24	FA11	
7J10N	HA2	Adjustable length arm, roller is 5/8" dia. x 5/8" wide
7J11N	MA21	3/4" dia. roller
7J1N	MA21	
7J2N	AA21	
7J31N	BA21	3/4" dia. roller
7J3N	BA21	
7J41N	CA21	3/4" dia. roller
7J4N	CA21	
7J51N	DA21	3/4" dia. roller
7J5N	DA21	
7J61N	EA21	3/4" dia. roller
7J64N	EA21	
7J6N	EA21	
7J71N	CA21	2" long arm, 3/4" dia. roller
7J7N	CA21	2" long arm
7J8N	None	Telemecanique arm is 5" long, 9007 C has a max. length of 4"
7J9N	None	Telemecanique arm is 6" long, 9007 C has a max. length of 4"
7K1	RA11	
7K1N	RA18	
7K3	RA11	1 1/2" long arm
7K3N	RA18	1 1/2" long arm
7K4N	RA18	1 1/2" long arm
7K5N	RA18	1 1/2" long arm
7N	FA5	12" long rod, with spring (includes hub)
7N12	FA5	Delrin spring rod
7N24	FA11	Delrin spring rod
7NS	FA5	Delrin spring rod, not corrosion proof
7S	FA5	
7S-12	FA5	
7S12	FA5	
7SS	FA5	Not corrosion proof
7XA1	MA11	
7XA10N	HA4	Adjustable length arm, 5/8" dia. roller
7XA10R	HA24	Adjustable length arm, 11/16" dia. roller
7XA11	MA4	Nylon roller
7XA11N	MA4	
7XA1N	MA18	
7XA1R	MA9	11/16" dia. roller
7XA2	AA1	5/8" dia. roller

Table 1 Type Number Cross Reference (Continued)

Telemecanique Part Number	Square D Class 9007 Type Number	Differences of 9007 C Switch
7XA2N	AA8	5/8" dia. roller
7XA3	BA11	
7XA31	BA4	Nylon roller
7XA31N	BA4	
7XA3N	BA18	
7XA3R	BA9	11/16" dia. roller
7XA4	CA11	
7XA41	CA4	Nylon roller
7XA41N	CA4	
7XA4N	CA18	
7XA4R	CA9	11/16" dia. roller
7XA5	DA11	
7XA51	DA4	Nylon roller
7XA51N	DA4	
7XA5N	DA18	
7XA5R	DA9	11/16" dia. roller
7XA6	EA11	
7XA61	EA4	Nylon roller
7XA61N	EA4	
7XA62N	EA4	1" dia. roller
7XA6N	EA18	
7XA6R	EA9	11/16" dia. roller
7XA7	CA11	2" long arm
7XA71	CA4	2" long arm, nylon roller
7XA71N	CA4	2" long arm, nylon roller
7XA7N	CA18	2" long arm
7XA7R	CA9	2" long arm
7XA8N	None	Telemecanique arm is 5" long, 9007 C has a max. length of 4"
7XA9N	None	Telemecanique arm is 6" long, 9007 C has a max. length of 4"
7XB1	MA12	5/8" wide roller
7XB10N	HA4	Adjustable length arm, roller is 5/8" dia. x 1/4" wide.
7XB11	MA7	5/8" wide roller
7XB11N	MA13	5/8" wide roller
7XB1N	MA17	5/8" dia. x 5/8" wide roller
7XB2	AA2	5/8" dia., 5/8" wide roller
7XB2N	AA17	5/8" dia., 5/8" wide roller
7XB3	BA12	5/8" wide roller
7XB31	BA7	5/8" wide roller
7XB31N	BA13	5/8" wide roller
7XB3N	BA17	5/8" dia. x 5/8" wide roller
7XB4	CA12	5/8" wide roller
7XB41	CA7	5/8" wide roller
7XB41N	CA13	5/8" wide roller
7XB44N	CA13	1" dia. x 5/8" wide roller
7XB4N	CA17	5/8" dia. x 5/8" wide roller
7XB5	DA12	5/8" wide roller
7XB51	DA7	5/8" wide roller
7XB51N	DA13	5/8" wide roller
7XB51N	DA13	5/8" wide roller
7XB5N	DA17	5/8" dia. x 5/8" wide roller
7XB6	EA12	5/8" wide roller
7XB61	EA7	5/8" wide roller
7XB61N	EA13	5/8" wide roller

Table 1 Type Number Cross Reference (Continued)

Telemecanique Part Number	Square D Class 9007 Type Number	Differences of 9007 C Switch
7XB6N	EA17	5/8" dia. x 5/8" wide roller
7XB7	CA12	2" long arm, 5/8" wide roller
7XB71	CA7	2" long arm, 5/8" wide roller
7XB71N	CA13	2" long arm, 5/8" wide roller
7XB7N	CA17	2" long arm, 5/8" dia. x 5/8" wide roller
7XB8N	None	Telemecanique arm is 5" long, 9007 C has a max. length of 4"
7XB9N	None	Telemecanique arm is 6" long, 9007 C has a max. length of 4"
7XF10N	HA2	Adjustable length arm, roller is 5/8" dia. x 5/8" wide
7XF11N	MA13	
7XF1N	MA17	
7XF2N	AA17	5/8" dia. x 5/8" wide roller
7XF31N	BA13	
7XF34N	BA13	1" dia. roller
7XF3N	BA17	
7XF41N	CA13	
7XF4N	CA17	
7XF51N	DA13	
7XF5N	DA17	
7XF61N	EA13	
7XF6N	EA17	
7XF71N	CA13	2" long arm
7XF7N	CA17	2" long arm
7XF8N	None	Telemecanique arm is 5" long, 9007 C has a max. length of 4"
7XF9N	None	Telemecanique arm is 6" long, 9007 C has a max. length of 4"
7XJ10N	HA2	Adjustable length arm, roller is 5/8" dia. x 5/8" wide
7XJ11N	MA21	3/4" dia. roller
7XJ1N	MA21	
7XJ2N	AA21	
7XJ31N	BA21	3/4" dia. roller
7XJ3N	BA21	
7XJ41N	CA21	3/4" dia. roller
7XJ4N	CA21	
7XJ4NS	CA21	Not corrosion proof
7XJ51N	DA21	3/4" dia. roller
7XJ5N	DA21	
7XJ61N	EA21	3/4" dia. roller
7XJ6N	EA21	
7XJ71N	CA21	2" long arm, 3/4" dia. roller
7XJ7N	CA21	Telemecanique arm is 1-3/4" long
7XJ8N	None	Telemecanique arm is 5" long, 9007 C has a max. length of 4"
7XJ9N	None	Telemecanique arm is 6" long, 9007 C has a max. length of 4"
A1613	KA12	
A1613N	KA21	1" wide roller
A1614	KA11	
A1614N	KA18	
A1624	KA24	Nylon roller
A1624N	KA21	
A1692	FA1	1/8" dia. rod (includes hub)
A1697	KB11	7/8" offset, 1-1/2" long arm
A1766	None as of Dec. 1994	Turnstile arm
A1766-1	None as of Dec. 1994	Turnstile arm
A1766-2	None as of Dec. 1994	Turnstile arm
A1770	R22 and S9 hub	3-3/4" long roller

Table 1 Type Number Cross Reference (Continued)

Telemecanique Part Number	Square D Class 9007 Type Number	Differences of 9007 C Switch
A1774	FA1	1/8" dia. rod (includes hub)
A1782	FA6	
A1793	LA4	
A1793A	LA5	
A1793B	LA6	
A1811	BAO	
A1812	R22 and S9 hub	7/8" dia. x 3 3/4" long roller
A1812-1	R22 and S9 hub	7/8" dia. x 3 3/4" long roller
A5189	FA1	
AIR	None	Air operated switch is not available
C2AGJK01	C54B2 Form Y78	1/2" conduit, check possible use of reed contacts
C2AGW	C54K Form Y78	1/2" conduit, check possible use of reed contacts
C2AIR	None	Air operated switch is not available
C2AJK01-561	C54B2 Form Y78 Y1851◆	Check possible use of reed contacts
C2AJK05	C54B Form Y78	Check possible use of reed contacts
C2AJK1	C54E Form Y78	Check possible use of reed contacts
C2AJK2	C54D Form Y78	Check possible use of reed contacts
C2AJK3	C54G Form Y78	Check possible use of reed contacts
C2AVJK05V	C54B Form Y78 Y140	Check possible use of reed contacts
C2BAIR	None	Air operated switch is not available
C2BATJK2T	C54D Form Y78	Check possible use of reed contacts, low temperature not available in plunger types
C2BCNW	C54L	Nylon coated steel wire
C2BCW	C54L	
C2BCWB	C54L	Nylon coated steel wire with plain end
C2BFAIR	None	Air operated switch is not available
C2BFJK542	B54NC2▶	
C2BFL37AIR	None	Air operated switch is not available
C2BFLJK542	B54NC2 Form P5▶	
C2BHJK09	C54C	Standard differential
C2BHJK09-561	C54C Form Y1851◆	Standard differential
C2BHJK528	None as of Dec. 1994	Turnstile switch
C2BHTJK09T	C54C Form Y128	Standard differential
C2BJD01	C54B2	
C2BJD012	C54N2	
C2BJD013	C54A2	
C2BJD05	C54B	
C2BJD052	C54N	
C2BJD053	C54A	
C2BJD09	C54C	
C2BJD1	C54E	
C2BJD2	C54D	
C2BJD3	C54G	
C2BJD4	C54FH	
C2BJD5	C54F	
C2BJK01	C54B2	
C2BJK01-546	C54B2 Form Y1901◆	5-pin Mini connector instead of 4-pin Mini connector
C2BJK01-561-18	C54B2 Form Y185118◆	
C2BJK012	C54N2	
C2BJK013	C54A2	
C2BJK013-561	C54A2 Form Y1851◆	
C2BJK013-561-18	C54A2 Form Y185118◆	

◆Wiring diagrams may be different and should be verified before ordering or installing.

▶Gravity return is currently available in the 9007 Type B. Conversion for 9007 Type C is under consideration.

Table 1 Type Number Cross Reference (Continued)

Telemecanique Part Number	Square D Class 9007 Type Number	Differences of 9007 C Switch
C2BJK015	C54B2	
C2BJK05	C54B	
C2BJK05-519-5902B	C54B Form Y147 Y1901◆	5-pin Mini connector instead of 4-pin connector (Telemecanique connector was much larger)
C2BJK05-561	C54B Form Y1851◆	
C2BJK05-561-12	C54B Form Y185112◆	
C2BJK052	C54N	
C2BJK052-561	C54N Form Y1851◆	
C2BJK053	C54A	
C2BJK054	C54A	Standard operating force/torque
C2BJK05P	C54B Form Y1841◆	5' wires
C2BJK05W	C54B1	
C2BJK05WY	C54B1 Form Y203	
C2BJK09	C54C	
C2BJK1	C54E	
C2BJK2	C54D	
C2BJK2-561	C54D Form Y1851◆	
C2BJK2N	C54D	Steel roller
C2BJK2X	C54D Form Y201	
C2BJK3	C54G	
C2BJK3-561	C54G Form Y1851◆	
C2BJK4	C54FH	
C2BJK4-546	C54FH Form Y1901◆	5-pin Mini connector instead of 4-pin Mini connector
C2BJK5	C54F	
C2BJK528	None as of Dec. 1994	Turnstile switch
C2BJKF05	C54B	
C2BJKF05-561	C54B Form Y1851◆	
C2BLAIR	None	Air operated switch is not available
C2BLJK01	C54B2 Form P5	
C2BLJK01-521-6	C54B2 Form P5 Y1851◆	8' cable
C2BLJK012	C54N2 Form P5	
C2BLJK013	C54A2 Form P5	
C2BLJK05	C54B Form P5	
C2BLJK052	C54N Form P5	
C2BLJK053	C54A Form P5	
C2BLJK2	C54D Form P5	
C2BLJK5	C54F Form P5	
C2BNW	C54J	
C2BRJK01	C54B2 Form Y231	
C2BRJK052	C54N Form Y231	
C2BRTJK05T	C54B Form Y128 Y231	
C2BTJK01T	C54B2 Form Y128	
C2BTJK01T-520	C54B2 Form Y128 Y1851◆	8' cable
C2BTJK05T	C54B Form Y128	
C2BTJK05TW	C54B1 Form Y128	
C2BTJK2T	C54D	Low temperature is not available on plunger types
C2BTJK4T	C54FH	Low temperature is not available on plunger types
C2BTJK5T	C54F	Low temperature is not available on plunger types
C2BVJK01V	C54B2 Form Y140	
C2BVJK01V-547	C54B2 Form Y140 Y1901◆	
C2BW	C54L	
C2BW-551-12	C54L Form Y1851◆	8' cable

◆Wiring diagrams may be different and should be verified before ordering or installing.

Table 1 Type Number Cross Reference (Continued)

Telemecanique Part Number	Square D Class 9007 Type Number	Differences of 9007 C Switch
C2BX0001	C54L	Includes receptacle
C2CNW	C54L	Nylon coated steel wire
C2CW	C54L	
C2CW-12	C54L S1	
C2CWB	C54L	Nylon coated steel wire with plain end
C2CWB6	C54L	Nylon coated steel wire with plain end
C2FJK05-561	C54B Form Y1851◆	Standard operating force/torque
C2FJK1	C54E	Standard operating force
C2FJK542	B54NC2▶	
C2FJK542-520	B54NC2▶	Type not available prewired and potted
C2FLJK542	B54NC2▶	No pilot light
C2GJK05	C54B	1/2 inch conduit
C2HJK09	C54C	Standard differential
C2HJK09-520-6	C54C Form Y1851◆	Standard differential
C2HJK09Y	C54C Form Y203	Standard differential
C2HJK528	None as of Dec. 1994	Turnstile switch
C2HMK09	C54C Form Y2051	Standard differential
C2HTJK09T	C54C Form Y128	Standard differential
C2JD01	C54B2	
C2JD012	C54N2	
C2JD013	C54A2	
C2JD05	C54B	
C2JD053	C54A	
C2JD09	C54C	
C2JD1	C54E	
C2JD2	C54D	
C2JD3	C54G	
C2JD4	C54FH	
C2JD5	C54F	
C2JDO52	C54N	
C2JK01	C54B2	
C2JK01-P	C54B2 Form Y1841◆	5' wires
C2JK012	C54N2	
C2JK013	C54A2	
C2JK014	C54B2	Standard operating force/torque
C2JK015	C54B2	
C2JK01X	C54B2 Form Y201	
C2JK01Z	C54B2 Form Y202	
C2JK05	C54B	
C2JK05-520	C54B Form Y1851◆	8' cable
C2JK05-520-12	C54B Form Y185112◆	
C2JK05-520-18	C54B Form Y185118◆	
C2JK05-520E-12	C54B Form Y185112◆	
C2JK05-520E-18	C54B Form Y185118◆	
C2JK05-521E-18	C54B Form Y185118◆	
C2JK05-546	C54B Form Y1901◆	5-pin Mini connector instead of 4-pin Mini connector
C2JK05-547E	C54B Form Y1902◆	
C2JK05-553-E	C54B Form Y1902◆	5-pin Mini connector instead of 4-pin Mini connector
C2JK05-561	C54B Form Y1851◆	
C2JK052	C54N	
C2JK053	C54A	
C2JK053-553-E	C54A Form Y1902◆	5-pin Mini connector instead of 4-pin Mini connector

◆Wiring diagrams may be different and should be verified before ordering or installing.

▶Gravity return is currently available in the 9007 Type B. Conversion for 9007 Type C is under consideration.

Table 1 Type Number Cross Reference (Continued)

Telemecanique Part Number	Square D Class 9007 Type Number	Differences of 9007 C Switch
C2JK053WY	C54A1 Form Y203	
C2JK054	C54B	Standard operating force/torque
C2JK0545	C54B	Standard operating force/torque
C2JK0545-520-E6	C54B Form Y1851◆	Standard operating force/torque, 8' cable
C2JK05WY	C54B1 Form Y203	
C2JK05Y	C54B Form Y203	
C2JK09	C54C	
C2JK1	C54E	
C2JK1-547	C54E Form Y1901◆	
C2JK2	C54D	
C2JK3	C54G	
C2JK3-547	C54G Form Y1901◆	
C2JK4	C54FH	
C2JK5	C54F	
C2JK528	None as of Dec. 1994	Turnstile switch
C2JKF05	C54B	
C2JKF05-561	C54B Form Y1851◆	
C2LAIR	None	Air operated switch is not available
C2LBJK2	C54D Form P5	All pilot lights are prewired
C2LJK01	C54B2 Form P5	All pilot lights are prewired
C2LJK05	C54B Form P5	All pilot lights are prewired
C2LJK05-547	C54B Form P5 Y1901◆	All pilot lights are prewired
C2LMJK05	C54B Form P5 Y2051	All pilot lights are prewired
C2MJK013	C54A2 Form Y2051	
C2MJK05	C54B Form Y2051	
C2MJK052	C54N Form Y2051	
C2MJK053	C54A Form Y2051	
C2MJK1	C54E Form Y2051	
C2MJK2	C54D Form Y2051	
C2NW	C54J	
C2TJK012T	C54N2 Form Y128	
C2TJK013T	C54A2 Form Y128	
C2TJK015T	C54B2 Form Y128	
C2TJK01T	C54B2 Form Y128	
C2TJK05T	C54B Form Y128	
C2TJK09T	C54C Form Y128	
C2TJK1T	C54E	Low temperature is not available on plunger types
C2TJK2T	C54D	Low temperature is not available on plunger types
C2TJK4T	C54FH	Low temperature is not available on plunger types
C2TJK5T	C54F	Low temperature is not available on plunger types
C2TNWT	C54J	Low temperature is not available on wobble types
C2TWT	C54K	Low temperature is not available on wobble types
C2VJK01V	C54B2 Form Y140	
C2W	C54L	
C2XJK06	C54B2 Form Y1561	
C2XJK06-520-6	C54B2 Form Y1561 Y1851◆	8' cable
C3AJK04	C68T10 Form Y78	
C3AVJK04V	C68T10 Form Y78 Y140	
C3BJD04	C68T10	
C3BJD06	C66B2	
C3BJK04	C68T10	
C3BJK06	C66B2	

◆Wiring diagrams may be different and should be verified before ordering or installing.

Table 1 Type Number Cross Reference (Continued)

Telemecanique Part Number	Square D Class 9007 Type Number	Differences of 9007 C Switch
C3BJK06	C66B2	
C3BJK066	C66B2	Standard operating range/travel
C3BJK06X	C66B2 Form Y201	
C3BJK16	C66E	Standard operating range/travel
C3BJK26	C66D	Standard operating range/travel
C3BJK36	C66G	Standard operating range/travel
C3BJK46	C66FH	Standard operating range/travel
C3BJK56	C66F	Standard operating range/travel
C3BLJK04	C68T10 Form P8	2 pilot lights, All pilot lights are prewired
C3BLJK06	C66B2 Form P8	2 pilot lights, All pilot lights are prewired
C3BTJK04T	C68T10 Form Y128	
C3BTJK06T	C66B2 Form Y128	
C3GTJK04T	C68T10 Form Y128	1/2 inch conduit
C3J101	C66B2	Standard operating range/travel
C3JD04	C68T10	
C3JD06	C66B2	
C3JK04	C68T10	
C3JK045	C68T10	
C3JK06	C66B2	
C3JK066	C66B2	Standard operating range/travel
C3JK101	C66B2	Standard operating range/travel
C3JK36	C66G	Standard operating range/travel
C3JK5838	C66B1	Standard operating range/travel
C3JK5839	C66B	Standard operating range/travel
C3JK5881	C66B2	Standard operating range/travel
C3MJK04	C68T10 Form Y2051	
C3MJK06	C66B2 Form Y2051	
C3MJK2	C66D Form Y2051	
C3TJK04T	C68T10 Form Y128	
C3TJK04T-P	C68T10 Form Y128 Y1842◆	5' wires
C3TJK06T	C66B2 Form Y128	
C3TJK5838T	C66B1 Form Y128	Standard operating range/travel
C4AIR	None	Air operated switch is not available
C4AJK05	C62B Form Y78	Check possible use of reed contacts
C4AJK2	C62D Form Y78	Check possible use of reed contacts
C4BAIR	None	Air operated switch is not available
C4BAJK053	C62A Form Y78	Check possible use of reed contacts
C4BCNW	C62L	Nylon coated steel wire
C4BCW	C62L	
C4BCWB	C62L	Nylon coated steel wire with plain end
C4BCWB6	C62L	Nylon coated steel wire with plain end
C4BDJK01	C62B2	Standard conduit
C4BHJK09	C62C	Standard differential
C4BHJK528	None as of Dec. 1994	Turnstile switch
C4BJD01	C62B2	
C4BJD012	C62N2	
C4BJD013	C62N2	
C4BJD05	C62B	
C4BJD052	C62N	
C4BJD053	C62A	
C4BJD09	C62C	
C4BJD1	C62E	

◆Wiring diagrams may be different and should be verified before ordering or installing.

Table 1 Type Number Cross Reference (Continued)

Telemecanique Part Number	Square D Class 9007 Type Number	Differences of 9007 C Switch
C4BJD2	C62D	
C4BJD3	C62G	
C4BJD4	C62FH	
C4BJD5	C62F	
C4BJK01	C62B2	
C4BJK012	C62N2	
C4BJK013	C62A2	
C4BJK01Z	C62B2 Form Y202	
C4BJK05	C62B	
C4BJK052	C62N	
C4BJK052W	C62N1	
C4BJK053	C62A	
C4BJK055	C62B	
C4BJK05W	C62B1	
C4BJK09	C62C	
C4BJK1	C62E	
C4BJK2	C62D	
C4BJK3	C62G	
C4BJK4	C62FH	
C4BJK5	C62F	
C4BJK528	None as of Dec. 1994	Turnstile switch
C4BJK542	B62NC2	
C4BLJK01	C62B2 Form P5	
C4BLJK05	C62B Form P5	
C4BLJK2	C62D Form P5	
C4BLW	C62K Form P5	
C4BNW	C62J	
C4BRJK01	C62B2 Form Y231	
C4BRJK05	C62B Form Y231	
C4BRJK052	C62N Form Y231	
C4BRTJK01T	C62B2 Form Y128 Y231	
C4BTJK01T	C62B2 Form Y128	
C4BTJK053T	C62A Form Y128	
C4BTJK1T	C62E	Low temperature is not available on plunger types
C4BTJK2T	C62D	Low temperature is not available on plunger types
C4BTJK3T	C62G	Low temperature is not available on plunger types
C4BTJK4T	C62FH	Low temperature is not available on plunger types
C4BTJK5T	C62F	Low temperature is not available on plunger types
C4BVJK05V	C62B Form Y140	
C4BVJK1V	C62E Form Y140	
C4BW	C62L	
C4CNW	C62L	Nylon coated steel wire
C4CW	C62L	
C4CWB	C62L	Nylon coated steel wire with plain end
C4GJK05	C62B	1/2 inch conduit
C4GJK2	C62D	1/2 inch conduit
C4HJK09	C62C	Standard differential
C4HJK528	None as of Dec. 1994	Turnstile switch
C4HTJK09T	C62C Form Y128	Standard differential
C4JD01	C62B2	
C4JD012	C62N2	
C4JD013	C62N2	

▮Gravity return is currently available in the 9007 Type B. Conversion for 9007 Type C is under consideration.

Table 1 Type Number Cross Reference (Continued)

Telemecanique Part Number	Square D Class 9007 Type Number	Differences of 9007 C Switch
C4JD05	C62B	
C4JD052	C62N	
C4JD053	C62A	
C4JD09	C62C	
C4JD1	C62E	
C4JD2	C62D	
C4JD3	C62G	
C4JD4	C62FH	
C4JD5	C62F	
C4JK01	C62B2	
C4JK012	C62N2	
C4JK013	C62A2	
C4JK05	C62B	
C4JK05-P	C62B Y1842◆	5' wires
C4JK052	C62N	
C4JK052Z	C62N1 Form Y202	
C4JK053	C62A	
C4JK053W	C62A1	
C4JK053Y	C62A Form Y203	
C4JK09	C62C	
C4JK1	C62E	
C4JK2	C62D	
C4JK3	C62G	
C4JK3-P	C62G Form Y1842◆	5' wires
C4JK4	C62FH	
C4JK4-X0002	C62F	Standard pretravel
C4JK5	C62F	
C4JK528	None as of Dec. 1994	Turnstile switch
C4JK542	B62NC2▶	
C4NW	C62J	
C4RJK01	C62B2 Form Y231	
C4TJK013T	C62A2 Form Y128	
C4TJK015T	C62B2 Form Y128	
C4TJK01T	C62B2 Form Y128	
C4TJK053T	C62A Form Y128	
C4TJK05T	C62B Form Y128	
C4TJK2T	C62D	Low temperature is not available on plunger types
C4TJK5T	C62F	Low temperature is not available on plunger types
C4TLJK015T	C62B2 Form P8 Y128	2 pilot lights, all pilot lights are prewired
C4W	C62L	
C5842	C54A2	Does not have hole drilled through shaft
C5842-572	C54A2 Form Y1901◆	Does not have hole drilled through shaft. 5-pin Mini connector instead of 4-pin Mini connector
C5842X	C54A2 Form Y201	Does not have hole drilled through shaft
C5880	None as of Dec. 1994	Paddle operated switches
C5880-1	None as of Dec. 1994	Paddle operated switches
C5880-2	None as of Dec. 1994	Paddle operated switches
C5880-4	None as of Dec. 1994	Paddle operated switches
C5880-5	None as of Dec. 1994	Paddle operated switches
C5892	C54KC	
CG0JK08	None	Solid state outputs are not available
CGA-8044	None	Mercury reed contacts are not available on gravity return

◆Wiring diagrams may be different and should be verified before ordering or installing.

▶Gravity return is currently available in the 9007 Type B. Conversion for 9007 Type C is under consideration.

Table 1 Type Number Cross Reference (Continued)

Telemecanique Part Number	Square D Class 9007 Type Number	Differences of 9007 C Switch
CGAJK08	None	Reed contacts are not available on gravity return
CNW	L	Nylon coated steel wire
CRAJK01	C84B2	
CRAJK05	C84B	
CRAJK052	C84N	
CRAJK053	C84A	
CRAJK2	C84D	
CRANW	C84J	
CRBJK01	C86B2	
CW	L	
CW-12	L S1	
CWB	L	Nylon coated steel wire with plain end
EW2GJK01	CR53B2 Form Y225	
EW2JK01	CR53B2	
EW2JK05	CR53B	
EW4GTJK01T	CR61B2 Form Y128 Y225	
EW4HSJK099	CR61C	Standard operating force/torque
EX2AGJK01T	CR53B2 Form Y78 Y225	
EX2AIRT	None	Air operated switch is not available
EX2HJK09T	CR53C	Standard operating force/torque
EX2JK012T	CR53N2	
EX2JK013T	CR53A2	
EX2JK013TZ	CR53A2 Form Y202	
EX2JK01T	CR53B2	
EX2JK052T	CR53N	
EX2JK053T	CR53A	
EX2JK05T	CR53B	
EX2JK05TW	CR53B1	
EX2JK1T	CR53E	
EX2JK2NT	CR53D	Steel roller
EX2JK2T	CR53D	
EX2JK3T	CR53G	
EX2JK4NTY	CR53FH Form Y203	Steel roller
EX2JK4T	CR53FH	
EX2JK528T	None as of Dec. 1994	Turnstile switch
EX2JK5T	CR53F	
EX2JKAIR	None	Air operated switch is not available
EX2NWT	CR53J	
EX3JK04T	CR67T10	
EX3JK06T	CR65B2	
EX3JK06TY	CR65B2 Form Y203	
EX3JK5838T	CR65B1	Standard operating range/travel
EX3TJK04T	CR67T10 Form Y128	
EX4GHJK09T	CR61C Form Y225	
EX4GHSJK099T	CR61C Form Y225	Standard operating force/torque
EX4GJK01T	CR61B2 Form Y225	
EX4GJK05T	CR61B Form Y225	
EX4GJK05TW	CR61B1 Form Y225	
EX4HJK09T	CR61C	
EX4JK012T	CR61N2	
EX4JK013T	CR61A2	
EX4JK015T	CR61B2	

Table 1 Type Number Cross Reference (Continued)

Telemecanique Part Number	Square D Class 9007 Type Number	Differences of 9007 C Switch
EX4JK01T	CR61B2	
EX4JK05T	CR61B	
EX4JK09T	CR61C	
EX4JK1T	CR61E	
EX4JK5NT	CR61F	Steel roller
EX4VJK01TV	CR61B2 Form Y140	
JK01	B	
JK012	N	
JK013	A	
JK013V	A	(Viton standard on lever arm type heads)
JK015	A	
JK01T	B Form Y128	
JK04	T10	
JK045	T10	
JK04T	T10 Form Y128	
JK05	B	
JK052	N	
JK053	A	
JK0545	B	Standard operating force/torque
JK055	B	
JK06	B	2 Step is a function of the 9007 C bodies
JK065	B	2 Step is a function of the 9007 C bodies
JK066	B	2 Step is a function of the 9007 C bodies
JK08	None	
JK09	C	
JK099	C	
JK09T	C Form Y128	
JK1	E	
JK16	E	2 Step is a function of the 9007 C bodies
JK2	D	
JK26	D	2 Step is a function of the 9007 C bodies
JK2T	D	Low temperature is not available on plunger types
JK3	G	
JK36	G	2 Step is a function of the 9007 C bodies
JK4	FH	
JK46	FH	2 Step is a function of the 9007 C bodies
JK5	F	
JK528	None as of Dec. 1994	Turnstile switch
JK542	-----	Order complete gravity return switch
JK56	F	2 Step is a function of the 9007 C bodies
NW	J	
W	L	

Table 2 Options and Special Features

Telemecanique	Example	Description	Square D	Differences
A	C2AJK05	Gold contacts	Form Y78	Suggest using reed switches
B	C2BJK05	Plug-in format	All Type C are plug-in format	
D	C2DJK05	Shallow conduit entrance	None- use standard device	Standard conduit depth
E	C2JK05-520E	Epoxy filled receptacle	Standard on Forms Y184_ and Y185_ ♦	
EX....T	C is replaced by EX, and T added at the end i.e.: EX2JK05T	Hazardous location	Use CR....	
EW	C is replaced by EW i.e.: EW2JK05	NEMA 4 enclosure with hazardous location mounting dimensions	Use CR....	
F	C2BEJK542	Low force snap switch	None on standard devices. Use B54NC2 where possible	
F	C2BJKE05	Modified for Ford Motor Co. (Metal cams)	Use standard devices (Metal cams Standard)	See product data bulletin 9007PD9201 for more info
G	C2GJK05	3/4 inch conduit	Form Y225, available on Type CR only	1/2 inch conduit is standard
H	C2HJK09	High differential	None- use standard device	Standard differential
L	C2BLJK05	Pilot light	Form P5 on single pole Form P8 on two pole	All pilot lights are prewired
M	C2MJK05	Manifold mounting	Form Y2051	Location of manifold knockout
N	C2BJK2N	Nylon roller on plunger heads	None- use standard device	Steel roller
P	C2JK05P	Pre-wired and potted, 6' wires	Form Y1841 - single pole ♦ Form Y1842 - double pole ♦	5' wires
R	C2BRJK05	Back tapped mounting- 1/4-20	Form Y231	
RA	2 is replaced by RA. i.e.: CRAJK05	Reed contacts, NO	C84....	
RB	2 is replaced by RB. i.e.: CRBJK05	Reed contacts, NC	C86....	
T	C2TJK05T	Low temperature	Form Y128 (lever types only)	
V	C2VJK05V	Viton seals	Form Y140	
W	C2JK05W	CCW operation	Change 2 to 1. i.e.: C54B2 changes to C54B1	
X	C2JK05X	Rotating the Head	Form Y201	
Y	C2JK05Y	Rotating the Head	Form Y203	
Z	C2JK05Z	Rotating the Head	Form Y202	
4	C2JK054	Heavy return springs	None- use standard device	Standard operating forces
5	C2JK055	Mechanical stop	Standard on all lever heads	
6	C3JK066	Extended range- 2 stage switches	None- use standard device or consult product management	Standard pretravel
519	C2BJK05-519	4-pin connector	Form Y1901 ♦	5-pin Mini instead of 4-pin connector. Telemecanique connector was much larger in dia.
520	C2JK05-520	Pre-wired and sealed, 3' cable	Form Y1851 ♦	Epoxy potted, 8' cable
520-6	C2JK05-520-6	Pre-wired and sealed, 6' cable	Form Y1851 ♦	Epoxy potted, 8' cable
520-18	C2JK05-520-18	Pre-wired and sealed, 18' cable	Form Y185118 ♦	Epoxy potted
521	C2JK05-521	Pre-wired, 3' cable	Form Y1851 ♦	Epoxy potted, 8' cable
521-6	C2JK05-521-6	Pre-wired, 6' cable	Form Y1851 ♦	Epoxy potted, 8' cable
521-18	C2JK05-521-18	Pre-wired, 18' cable	Form Y185118 ♦	Epoxy potted
546	C2JK05-546	4-pin Mini connector	Form Y1901 ♦	5-pin instead of 4-pin
547	C2JK05-547	5-pin Mini connector	Form Y1901 ♦	
551	C2JK05-551	Pre-wired and potted, 3' cable	Form Y1851 ♦	8' cable
553	C2JK05-553	4-pin Mini connector	Form Y1901 ♦	5-pin Mini instead of 4-pin
559	CRAJK05-559	3-pin Mini connector	Form Y1911 ♦	
561	C2BJK05-561	Pre-wired and potted, 8' cable	Form Y1851 ♦	
561-18	C2BJK05-561-18	Pre-wired and potted, 18'	Form Y185118 ♦	
563	CRAJK05-563	3-pin Mini connector, 90° angled	None	Not set up
564	C4JK05-564	9-pin Mini connector	Y19016	
5902	C2JK05-5902	Adaptor plate for Type L	Form Y147	Available as 9007 BT1 kit
5902B	C2BJK05-5902B	Adaptor plate for Type L	Form Y147	Available as 9007 BT1 kit

♦Wiring diagrams may be different and should be verified before ordering or installing.

♣Gravity return is currently available in the 9007 Type B. Conversion for 9007 Type C is under consideration.

Table 3 Operating Characteristics

Switch Type			Pretravel				Differential	Operating Force	
			Standard	Two-Stage					
				1st Stage	2nd Stage	2nd Stage Extended			
Lever Arm Types	Standard Travel	Telemecanique	11°	8°	20°	28°	5°	3.125 lb-in	
		Square D	10°	10°	2.5°	N/A	4°	4 lb-in	
	Short Travel	Telemecanique	7°				3°	3.125 lb-in	
		Square D	5°				2°	4 lb-in	
	Low Torque	Telemecanique	11°				5°	25 oz-in	
		Square D	10°				4°	25 oz-in	
	Neutral Position	Telemecanique	11°				5°	3.75 lb-in	
		Square D	10°				4°	4 lb-in	
	Maintained Contact	Telemecanique	50°				-----	2.2 lb-in	
		Square D	45°				-----	3 lb-in	
	Plunger Types	Top Plungers	Telemecanique	.06"	.036"	.070"		.02"	2.2 lb†
			Square D	.08"	.080"	.090"		.02"	3 lb
Side Plungers		Telemecanique	.09"	.078"	.114"		.03"	4.88 lb†	
		Square D	.08"	.080"	.020"		.03"	4 lb	
Wobble and Cat Whisker Types	Wobble Stick	Telemecanique	16°				5°	9 oz-in	
		Square D	10°				3°	3 lb-in	
	Cat Whisker	Telemecanique	13°				5°	6 oz-in	
		Square D	20°				6°	7 oz-in	

† Telemecanique 2-stage plunger devices have an operating force of 6.875 lbs.
Shaded areas indicate devices not available in the Telemecanique Type C.

Table 4 Dimensional Comparison

Dimension	Standard Box		Hazardous Location	
	Telemecanique	Square D	Telemecanique	Square D
Overall dimensions, lever types:				
Height	4.230"	4.020"	6.180"	6.100"
Width	1.619"	1.550"	2.310"	2.720"
Depth	1.750"	1.790"	2.060"	2.080"
Distance from upper mounting holes to:				
Center of shaft on lever types	0.915"	0.750"	1.125"	1.190"
End of plunger on top straight plunger types	1.966"	1.720"	2.176"	2.160"
End of plunger on top roller plunger types	2.286"	2.190"	2.496"	2.630"
Center of shaft on side plunger types	0.832"	0.750"	1.042"	1.190"
Distance from mounting surface to:				
End of shaft on lever types	2.516"	2.500"	2.680"	2.790"
End of plunger on side straight plunger types	2.115"	2.190"	2.277"	2.480"
End of plunger on side roller plunger types	2.592"	2.660"	2.754"	2.950"
Center of wobble stick and cat whisker	0.768"	0.780"	0.930"	1.070"

WIRING DIAGRAM

The wiring diagrams of the Denison C and 9007 C switches are shown below. These diagrams show the difference in wiring between the Denison plug-in and Denison non-plug-in switches, as well as the difference between Denison and Square D. These differences should be noted when wiring new switches into existing applications.

