

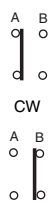
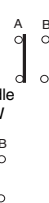
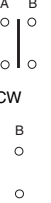
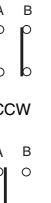
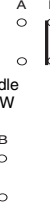
Limit Switches

9007FT Severe Duty Foundry Switches

Universal Operating Sequences

Universal Catalog Numbers

Base Plate

Surface Mounted	A 9007FTUA1 B 9007FTUB1 C 9007FTUC1 D 9007FTUD1	9007FTUA2 9007FTUB2 9007FTUC2 9007FTUD2	9007FTUA3 9007FTUB3 9007FTUC3 9007FTUD3	9007FTUA4 9007FTUB4 9007FTUC4 9007FTUD4	9007FTUA5 9007FTUB5 9007FTUC5 9007FTUD5	9007FTUA6 9007FTUB6 9007FTUC6 9007FTUD6
	No. 1	No. 2	No. 3 ④	No. 4	No. 5	No. 6
	SPDT Spring Return CW Only	SPDT Spring Return CW Only	SPDT Maintained Contact	SPDT Spring Return Neutral Position	SPDT Spring Return CCW Only	SPDT Spring Return CCW Only
	Initial position and CCW  CW 	Initial position and CCW  Middle CW  Final CW 	Spring return of arm to initial pos. Contact pos. maintained until operated in reverse direction CCW CW   If high speed cam or snap-back is present, use No. 12	Initial position  CCW CW  	Initial position and CW  CCW 	Initial position and CW  Middle CCW  Final CCW 

Characteristics

Nominal Operating Data

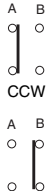
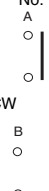
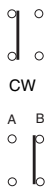
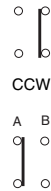
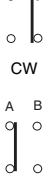
Pre-travel ①	14°	Int. Pos. 9°, Final 16°	7°	6°	14°	Int. Pos. 9°, Final 16°
Total travel	88°	88°	81°	81°	88°	88°
Differential	12°	5°	7°	5°	12°	5°
Operating torque	12 lb-in (1.35 N•m)	12 lb-in (1.35 N•m)	12 lb-in (1.35 N•m)	12 lb-in (1.35 N•m)	12 lb-in (1.35 N•m)	12 lb-in (1.35 N•m)
Repeat accuracy ②	± 0.004" (0.10mm)	± 0.004" (0.10mm)	± 0.004" (0.10mm)	± 0.004" (0.10mm)	± 0.004" (0.10mm)	± 0.004" (0.10mm)

To convert sequences, remove base plate, position plate and latches. Reassemble positioning plate and latches as shown.

						
Weight lb (kg)	2.57 lb (1.17 kg)	2.57 lb (1.17 kg)	2.57 lb (1.17 kg)	2.57 lb (1.17 kg)	2.57 lb (1.17 kg)	2.57 lb (1.17 kg)

Universal Catalog Numbers (continued)

Base Plate

Surface Mounted	A 9007FTUA7 B 9007FTUB7 C 9007FTUC7 D 9007FTUD7	9007FTUA8 9007FTUB8 9007FTUC8 9007FTUD8	9007FTUA9 9007FTUB9 9007FTUC9 9007FTUD9	9007FTUA10 9007FTUB10 9007FTUC10 9007FTUD10	9007FTUA11 9007FTUB11 9007FTUC11 9007FTUD11	9007FTUA12 9007FTUB12 9007FTUC12 9007FTUD12
	No. 7	No. 8 ④	No. 9	No. 10	No. 11	No. 12
	SPDT Maintained	SPDT Maintained Neutral Position	SPDT Spring Return Slow Make, Slow Break	SPDT Spring Return Slow Make, Slow Break	SPDT Spring Return Slow Make, Slow Break	SPDT Maintained
	If high speed cam or snap-back present, use No. 12  CCW 	Initial position If high speed cam or snap-back present, use No. 12  CCW CW  	Initial position and CCW  CW 	Initial position  CCW CW  	Initial position and CW  CCW 	CCW  CW 

Characteristics

Nominal Operating Data

Pre-travel ①	10°	6°	12°	3°	12°	45°
Total travel	85°	81°	87°	81°	87°	90°
Differential	12°	10°	0°	0°	0°	0°
Operating torque	2.5 lb-in (0.28 N•m)	2.5 lb-in (0.28 N•m)	12 lb-in (1.35 N•m)	12 lb-in (1.35 N•m)	12 lb-in (1.35 N•m)	8 lb-in (0.9 N•m)
Repeat accuracy ②	± 0.004" (0.10mm)	± 0.004" (0.10mm)	± 0.004" (0.10mm)	± 0.004" (0.10mm)	± 0.004" (0.10mm)	± 0.004" (0.10mm)

To convert sequences, remove base plate, position plate and latches. Reassemble positioning plate and latches as shown.

						Not adjustable
Weight lb (kg)	2.57 lb (1.17 kg)	2.57 lb (1.17 kg)	2.57 lb (1.17 kg)	2.57 lb (1.17 kg)	2.57 lb (1.17 kg)	2.57 lb (1.17 kg)

Footnotes: see page 215

Dimensions:
pages 218 to 221

Interpretation of Catalog Numbers:
page 235

Limit Switches

9007FT Severe Duty Foundry Switches

Standard Operating Sequences

Standard Catalog Numbers

Base Plate

Surface
Mounted



A	9007FTSA1	9007FTSA2	9007FTSA3
B	9007FTSB1	9007FTSB2	9007FTSB3
C	9007FTSC1	9007FTSC2	9007FTSC3
D	9007FTSD1	9007FTSD2	9007FTSD3
No. 1		No. 2	No. 3
Single Pole Double Throw Spring Return CW & CCW		Single Pole Double Throw Spring Return CW & CCW	Single Pole Double Throw Spring Return CW & CCW Slow Make Slow Break
Initial position		Initial position	Initial position

Characteristics (nominal operating data)

Switch actuation	By 30° cam		
Type of actuation			
Pre-travel ①	14°	Int. Pos. 9°, Final 16°	9°
Total travel	89°	89°	89°
Differential	12°	Int. Pos. 5.5°, Final 7.5°	5°
Reverse overtravel	N/A (future availability)	N/A (future availability)	N/A (future availability)
Operating torque/force 1 pole & 2 pole	10 lb-in (1.13 N•m)	10 lb-in (1.13 N•m)	10 lb-in (1.13 N•m)
Terminal wire sizes (Cabling/Screw Clamp)	#12–22 AWG (3.31–0.326 mm ²)	#12–22 AWG (3.31–0.326 mm ²)	#12–22 AWG (3.31–0.326 mm ²)
Repeatability ② (linear travel of cam)	± 0.004" (0.10mm)	± 0.004" (0.10mm)	± 0.004" (0.10mm)
Cable entry (metric available)	0.5" NPT	0.5" NPT	0.5" NPT
Weight lb (kg)	2.57 lb. (1.17 kg)	2.57 lb. (1.17 kg)	2.57 lb. (1.17 kg)

① The pre-travel listed may vary up to 5° additional for universal switches or up to 2° additional for standard switches due to free travel of lever arm at initial position.

② Linear travel of cam on 1.5" (38.1mm) lever arm.

③ Remove spring from the positioning plate.

④ Sequence 3, 7, and 8 devices are available but are not recommended where high speed cams or lever arm snap-back is present.

The application should be checked and No. 12 sequences substituted where possible.

Note: Type FT Foundry Switches are obtained by changing the "T" at the beginning of the equivalent type number to "FT" (Example: FTUB1).