



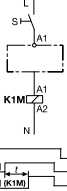

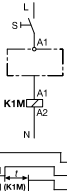

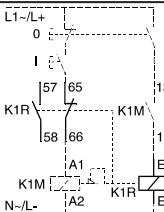

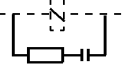
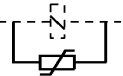
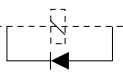


Control Modules

	Description	Connection Diagrams	Reset Time	Repeat Accuracy	Delay	For Use With	Cat. No.	
	Pneumatic Timing Modules* ON-Delay Pneumatic timing element contacts switch after the delay time. The contacts on the main control relay continue to operate without delay.		25...90 ms for AC Coils	+/-10%	0.3...30 s	700-CF all*	100-FPTA30	
					1.8...180 s		100-FPTA180	
	Pneumatic Timing Modules OFF-Delay Pneumatic timing element contacts switch after the delay time. The contacts on the main control relay continue to operate without delay.		47...85 ms for DC coils		0.3...30 s		100-FPTB30	
					1.8...180 s		100-FPTB180	
	Electronic Timing Modules — On-Delay Delay of the control relay coil assembly. The control relay is energized at the end of the delay time.		100 ms	+/-1%	0.1...3 s	700-CF 110...240V AC 110...250V DC coils	100-ETA3	
					1...30 s		100-ETA30	
					10...180 s		100-ETA180	
					100-ETAZJ3 100-ETAZJ30 100-ETAZJ180	700-CF 24...48V DC coils	0.1...3 s	100-ETAZJ3
							1...30 s	100-ETAZJ30
							10...180 s	100-ETAZJ180
 <p>Cat. No. 100-ETB30</p>	Electronic Timing Modules — Off-Delay Delay of the control relay coil assembly. After interruption of the control signal, the control relay is deenergized at the end of the delay time.		100 ms	+/-1%	0.3...3 s	700-CF 110...240V AC coils	100-ETB3	
					1...30 s		100-ETB30	
					10...180 s		100-ETB180	
					100-ETBKJ3 100-ETBKJ30 100-ETBKJ180	700-CF 24V AC coils	0.3...3 s	100-ETBKJ3
							1...30 s	100-ETBKJ30
							10...180 s	100-ETBKJ180

* On-Delay modules cannot be used with side-mounted auxiliary contacts on DC coil relays.

	Description	Connection Diagrams	For Use With	Cat. No.
 <p>Cat. No. 100-FL10</p>	Mechanical Latch Following relay latching, the relay coil is immediately de-energized (off) by the N.C. auxiliary contact (65-66). Electrical or manual release 1 N.O. + 1 N.C. auxiliary contacts		700-CF with AC coils	100-FL11 ⊗

	Description	Connection Diagrams	For Use With	Cat. No.*	
	RC Module AC Operating Mechanism		700-CF with AC coils	24...48V 50/60 Hz	
				110...280V 50/60 Hz	
				380...480V 50/60 Hz	
	Varistor Module AC/DC Operating Mechanism		700-CF all	12...55V AC/ 12...77V DC	
				56...136V AC/ 78...180V DC	
				137...277V AC/ 181...350V DC	
				278...575V AC	
	Diode Module DC Operating Mechanism Dropout Time 70...95 ms		700-CF with DC coils	12...250V DC	100-FSD250

* For spring clamp terminals, insert **CR** after 100-. Example: **Cat. No. 100-CRFSC48**.

⊗ **Coil Voltage Code**

The cat. no. as listed is incomplete. Select a coil voltage code from the table below to complete the cat. no. Example: **Cat. No. 100-FL11**⊗ becomes **Cat. No. 100-FL11J**‡

[V]	24	48	100	110	120	230...240	240	277	380...400	400...415	440	480
50 Hz	K	Y	KP	D	—	VA	T	—	N	G	B	—
60 Hz	J	—	—	—	D	—	A	T	—	—	N	B

‡ For special voltages, consult your local Rockwell Automation sales office or Allen-Bradley distributor.

