






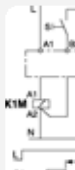







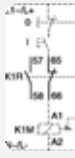


	Description		Connection Diagrams	For Use With	Cat. No.
	<b>Pneumatic Timing Modules</b> <ul style="list-style-type: none"><li>Pneumatic timing element contacts switch after the delay time. The contacts on the main control relay continue to operate without delay.</li></ul>	On-Delay 0.3...30 s Range		100-C or 700-CF with AC coils or DC electronic coils§	100-FPTA30
		2...180 s Range			100-FPTA180
		Off-Delay 0.3...30 s Range		100-C all, 700-CF all	100-FPTB30
		2...180 s Range			100-FPTB180
	<b>Electronic Timing Modules — On-Delay</b> Delay of the contactor or control relay solenoid. The contactor or control relay is energized at the end of the delay time.	0.1...3 s Range		100-C or 700-CF with 110...240V, 50/60 Hz or 110...250V conventional DC coils	100-ETA3
		1...30 s Range			100-ETA30
		10...180 s Range			100-ETA180
		0.1...3 s Range		100-C or 700-CF with 24...48V conventional DC coils or 24V DC electronic coils	100-ETAZJ3
		0.1...3 s Range			100-ETA3
		10...180 s Range			100-ETAZJ180
	<b>Electronic Timing Modules — Off-Delay</b> Delay of the contactor or control relay solenoid. After interruption of the control signal, the contactor or control relay is deenergized at the end of the delay time.	0.3...3 s Range		100-C09...C37 or 700-CF with 24V 50/60 Hz coils	100-ETBKJ3
		1...30 s Range			100-ETBKJ30
		10...180 s Range			100-ETBKJ180
		0.3...3 s Range		100-C or 700-CF with 110...240V 50/60 Hz coils	100-ETB3
		1...30 s Range			100-ETB30
		10...180 s Range			100-ETB180
	<b>Electronic Timing Modules</b> <ul style="list-style-type: none"><li>Delay of the contactor solenoid. Contactor K 3 (Y) is de-energized (off) and K 2 (D) is energized (on) after the end of the set Y end time. (Switching delay at 50 ms.)</li><li>Continuous adjustment range</li><li>High repeat accuracy</li></ul>	Transition Time Y Contactor 1...30 s Range		100-C with 110...240V, 50/60 Hz coils	100-ETY30
	<b>Mechanical Interlocks</b> <ul style="list-style-type: none"><li>For interlocking of two contactors.</li><li>Common interlock for all Bul. 100-C contactor sizes</li><li>Interlocking of different sizes possible</li><li>Mechanical and electrical interlocking possible in one module by means of integrated auxiliary contacts</li><li>9 mm dovetail connector included</li></ul>	Mechanical only, without auxiliary contacts		100-C (except 100-C40, -C90)	100-MCA00
		Mechanical/ electrical interlock with 2 N.C. auxiliary contacts		100-C (except 100-C40, -C90)	100-MCA02
	<b>Mechanical Latch</b> <ul style="list-style-type: none"><li>Following contactor latching, the contactor coil is immediately de-energized (off) by the N.C. auxiliary contact (65-66).</li><li>Electrical or manual release</li><li>1 N.O. + 1 N.C. auxiliary contacts</li><li>Suitable for all Bul. 100-C contactor sizes, 9...97 A</li></ul>	Maximum command duration 0.03...10 s		100-C with AC or DC electronic coils (except 100-C90)	100-FL11⊗

§ Cannot be used with side-mounted auxiliary contacts on 700-CF DC relays.

⊗ Coil Voltage Code

The cat. no. as listed is incomplete. Select a voltage suffix code from the table below to complete the cat. no. Example: 120V, 60 Hz:  
Cat. No. 100-FL11⊗ becomes Cat. No. 100-FL11D.

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

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

Control Modules (For 100-C09...C97 contactors), Continued