

Enclosed Non-Reversing Combination Controller, AC Operation - Type 1/12K/IP66 @@

							Non-Metallic Type 1/12K/IP66 Enclosur (KS7-C0C4R)	'e
Amp / Horsepower Rating						Allerant and the second and the seco		
Max	. Horse	oower C	000	O/L Dolov	Magnetic	_		D.
	Three	Phase		O/L Relay Ampere	Magnetic Response	Index		Dimension Code
200V	230V	460V	575V	Range	Current	9	Catalog Number ����	sion
	2001		0.01	KTA7-25	S Standard	Interr	upting Capacity	
~	~	~	~	0.100.16	2.1	1	CX7-9-10-*-AS0.16A-A10-PG▼	Q4
~	~	~	~	0.160.25	3.3	2	CX7-9-10-*-AS0.25A-A10-PG▼	Q4
~	~	~	~	0.250.40	5.2	3	CX7-9-10-*-AS0.4A-A10-PG▼	Q4
~	~	~	~	0.400.63	8.2	4	CX7-9-10-*-AS0.63A-A10-PG▼	Q4
~	~	1/2	3/4	0.631.0	13	5	CX7-9-10-*-AS1A-A10-PG▼	04
~	~	1	1	1.01.6	21	6	CX7-9-10-*-AS1.6A-A10-PG▼	17
1/2	3/4	1-1/2	2	1.62.5	33	7	CX7-9-10-*-AS2.5A-A10-PG▼	Q ₄
1	1	3	3	2.54	52	8	CX7-9-10-*-AS44-A1 .PSY	Q4
1-1/2	2	5	~	46.3	82	9	CX7-9-10-*-A 5.37 A - 3	Q4
3	3	7-1/2	~	6.310	130	11	CX7-12 12 k-A. 2 A1U-PG▼	Q4
5	5	10	~	1016	208	12	C (-) - 1AS16A-A10-PG	4
5	7-1/2	15	~	14.520	260	7 3	X1-23-10-*-AS20A-M0-PG	Q4
					.25 'Lyh		ting Capacity	
1/2	3/4	1-1/2	2	1.62.5	50	17	CX7-9-10-* 1H2A10 3 ✓	Q4
1	1	3	3	2.54	52	19	CX7-9 1 k-, 14A-x10-PG▼	Q4
1-1/2	2	5	5	46.3	82	ر کیا	7 -1 - ★-AH6.3A-A10-PG▼	Q4
3	3	7-1/2	10	6.310	130		X7 2-10-*-AH10A-A10-PG▼	Q4
5	5	10	15	116	∠08	28	CX7-16-10-*-AH16A-A10-PG▼	Q4
5	7-1/2	15	~	14.5	260	31	CX7-23-10-*-AH20A-A10-PG▼	Q4
5	7-1/2	15	~	1825	325	33	CX7-23-10-*-AH25A-A10-PG▼	Q4

Includes:

- Type 1/12K Non-metallic enclosure (KS7-C0C4R)
- KTA7 "Type E/F" Self-protected Combination Motor Controller with 1 NO front mount Auxiliary Contact (Cat #: KT7-PE1-10)
- Terminal Adaptor for Type E Applications (Cat.# KT7-25-TE1)
- CA7 contactor (for remote operation), AC coil
- Gray and black Type 1/12K; IP66 handle (KT7-SHB + KT7-KN1) 3
- Power wiring
- Factory installed Pilot device option 6

Contactor AC Coil Codes (*) 4

AC	Voltage Range			
Coil Code	50 Hz	60 Hz		
24Z	24V	24V		
120	110V	120V		
220W	200-220V	208-240V		
415	400-415V	~		
480 ②	440V	480V		
600 9	550V	600V		

KWIKstarter coils are wired standard from the factory to terminals "L1" and "L2" (for line voltage control). This means the coil voltage must match the line voltage. When a coil is specified for 120V or less, it will be wired for a separate control source (not wired to L1 and L2).

- Horsepower ratings shown in the table above are for reference. The final selection of the controller depends on the actual motor full load current and service factor. For motor with service factor less than 1.15. Use motor nameplate full load current times 0.9 and choose the motor starter with the appropriate current range. Example: Motor FLC = 4.2A; S.F. = 1.0. 4.2A x 0.9 = 3.78A. Select catalog number KTA7-25S-4A.
- Magnetic trip is fixed at 13x the maximum value of the current adjustment range.
- © CX7 may be applied to single phase loads. Contact factory for these specifications.
- Other voltages available, see Section A in this catalog.

F98

- KAIC Assembly Rating Index. See pages F73-F76 for Application Rating
 Guide
- One Pilot Device option must be selected. Plastic Bezel is standard. Pilot Device options include D7-BX_ Base Mounted contact blocks. Pilot Light option must match coil voltage 24V AC or DC, 120V AC or 240V AC only. See Section H for more information.
- CPT not possible with KS7-C0C4R. Refer to page F118 for wiring diagram and F119 for dimensional information.
- A red and yellow handle may be selected instead of the standard gray and black handle. Change "PG" suffix to "PJ". Ex: Change CX7-9-10-★-AS0.16A-A10-PG▼ to CX7-9-10-★-AS0.16A-A10-PJ▼.
- Catalog number (-A10) includes front-mounted auxiliary KT7-PE1-10 with 300 VAC maximum control circuit matching line voltage, or provided from separate source, used to de-energize contactor coil under fault condition (auxiliary not available for customer use). For control circuits greater than 300 VAC, which is common with line voltage, the auxiliary will not be wired into the control circuit since the contactor coil will be de-energized when KTA7 is tripped due to overload or short circuit; therefore, the KT7-PE1-10 auxiliary is available for customer use.



Enclosed Non-Reversing Combination Controller, Electronic DC Operation - Type 1/12K/IP66 460

Non-Metallic Type 1/12K/IP66 Enclosure (KS7-C0C4R) Amp / Horsepower Rating Max. Horsepower 000 0/L Relay Magnetic Index Three Phase Ampere Response Range Current **(** 200V 230V 460V 575V Catalog Number 400 **KTA7-25S Standard Interrupting Capacity** 0.10...0.16 2.1 CX7-9E-10-*-AS0.16A-A10-PG▼ Q4 3.3 2 0.16...0.25 CX7-9E-10-*-AS0.25A-A10-PG▼ Q4 ~ 0.25...0.40 5.2 3 CX7-9E-10-*-AS0.4A-A10-PG▼ Q4 8.2 4 Q4 0.40...0.63 CX7-9E-10-*-AS0.63A-A10-PG▼ 1/2 3/4 0.63...1.0 13 5 CX7-9E-10-*-AS1A-A10-PG▼ Q4 21 6 Q4 1.0...1.6 CX7-9E-10-*-AS1.6A-A10@GY 1.6...2.5 1/2 3/4 1-1/22 33 7 CX7-9E-10-*-AS2.5A-Q4 CX7-9F-10 : 45 -4 - 3 3 3 2.5...4 52 8 Q4 1 1 2 CX7 E-1 > A 3.C. A-A10-PG▼ 1-1/2 5 82 9 Q4 4...6.3 X7-1 J-*-AS10A-A10-PG▼ 3 3 7-1/2 6.3...10 130 5 10 0.7-16E-10-*-AS164 A1 -PG▼ 5 10...16 500 Q4 5 7-1/2 15 14.5...20 CX7-23E-10 k-AS2 Q4 K'P 1/2 3/4 1-1/22 33 CY7-9E U-* ...2.5A-A10-PG▼ Q4 2.5...4 52 3 3 CA 9E-10-*-AH4A-A10-PG▼ Q4 1/1/2 2 5 5 4...6.3 CX7-9E-10-*-AH6.3A-A10-PG▼ Q4 3 3 Q4 7-1/2 10 6.3_10 CX7-12E-10-*-AH10A-A10-PG▼ 5 5 10 208 28 CX7-16E-10-*-AH16A-A10-PG▼ Q4 -10 15 31 5 7-1/2 5...20 260 CX7-23E-10-*-AH20A-A10-PG▼ Q4 325 5 7-1/2 15 33 Q4 18. .25 CX7-23E-10-*-AH25A-A10-PG▼

Includes:

- Type 1/12K Non-metallic enclosure (KS7-C0C4R)
- KTA7 "Type E/F" Self-protected Combination Motor Controller with 1 NO front mount Auxiliary Contact (Cat #: KT7-PE1-10)
- Terminal Adaptor for Type E Applications (Cat.# KT7-25-TE1)
- CA7 contactors (for remote operation), with Electronic DC Coil
- Gray and black Type 1/12K; IP66 handle (KT7-SHB) + KT7-KN1 3
- Power wiring
- Factory installed Pilot device option 6

Replace ▼ with option code.
See page F103 for
actory installed modifications

omactor Electronic DC Coil Codes (*) 4

DC Coil Codes	Voltage
12E	12V
24E	24V
36E	36-48V
48E	48-72V
110E	110-125V
220E	220-250V

KWIKstarter coils are wired standard from the factory to terminals "L1" and "L2" (for line voltage control). This means the coil voltage must match the line voltage. When a coil is specified for 120V or less, it will be wired for a separate control source (not wired to L1 and L2).

F99

- Horsepower ratings shown in the table above are for reference. The final selection of the controller depends on the actual motor full load current and service factor. For motor with service factor less than 1.15. Use motor nameplate full load current times 0.9 and choose the motor starter with the appropriate current range. Example: Motor FLC = 4.2A; S.F. = 1.0. 4.2A x 0.9 = 3.78A. Select catalog number KTA7-25S-4A.
- Magnetic trip is fixed at 13x the maximum value of the current adjustment range.
- CX7 may be applied to single phase loads. Contact factory for these specifications.
- CX7-9E...23E with electronic coils are not interchangeable with nonelectronic DC or AC coils.
- KAIC Assembly Rating Index. See pages F73-F76 for Application Rating Guide.
- One Pilot Device option must be selected. Plastic Bezel is standard. Pilot Device options include D7-BX_ Base Mounted contact blocks. Pilot Light option must match coil voltage 24V AC or DC, 120V AC or 240V AC only. See Section H for more information.
- CPT not possible with KS7-C0C4R. Refer to page F118 for wiring diagram and F119 for dimensional information.
- A red and yellow handle may be selected instead of the standard gray and black handle. Change "PG" suffix to "PJ". Ex: Change CX7-9-10-★-AS0.16A-A10-PJ▼.

A10-PG▼ to CX7-9-10-*-AS0.16A-A10-PJ▼.

Discount Schedule B7



Enclosed Non-Reversing Combination Controller with E-Stop, AC Operation - Type 1/12K/IP66 000

Amp / Horsepower Rating						Non-Metallic Type 1/12K/IP66 Enclosure (KS7-C0C4R)		
Max		oower @	084	O/L Relay	Magnetic	Index		Dimension Code
		Phase	l	Ampere Range	Response Current	ex ©		nsio ode
200V	230V	460V	575V				Catalog Number 9090	=
	i	i	i				rupting Capacity	0.4
~	~	~	~	0.100.16	2.1	1	CX7-9-10-*-AS0.16A-A10-PG4U-9	Q4
~	~	~	~	0.160.25	3.3	2	CX7-9-10-*-AS0.25A-A10-PG4U-9	Q4
~	~	~	~	0.250.40	5.2	3	CX7-9-10-*-AS0.4A-A10-PG4U-9	Q4
~	~	~	~	0.400.63	8.2	4	CX7-9-10-*-AS0.63A-A10-PG4U-9	Q4
~	~	1/2	3/4	0.631.0	13	5	CX7-9-10-*-AS1A-A10-PG4U-9	0
~	~	1	1	1.01.6	21	6	CX7-9-10-*-AS1.6A-A10-PG4U-9	74
1/2	3/4	1-1/2	2	1.62.5	33	7	CX7-9-10-*-AS2.5A-410-PC-U-	Q4
1	1	3	3	2.54	52	8	CX7-9-10-*-A5 /A 1 Pt Up	Q4
1-1/2	2	5	~	46.3	82	9	CX7-9-10-*-A. 3A 11 . G4U-9	L
3	3	7-1/2	~	6.310	130	11	CY 2 0ASTUA-A10-PG4U-9	Q4
5	5	10	~	1016	208	1 3	-10-*-AS16A-A10-PG4 -9	Q4
5	7-1/2	15	~	14.520		1	CX7-23-10-*-A\$2210-PG4U-9	Q4
1/2	3/4	1-1/2	2	1.62.5	33	17	CX7-9-10 - AH2.5 A1U-PG4U-9	Q4
1	1	3	3	2.54	52	19	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Q4
1/1/2	2	5	5	46.3	82	25	10-*-AH6.3A-A10-PG4U-9	Q4
3	3	7-1/2	10	6.3 .10	30	24	CX7-12-10-*-AH10A-A10-PG4U-9	Q4
5	5	10	15	1 16	8	28	CX7-16-10-*-AH16A-A10-PG4U-9	Q4
5	7-1/2	15	~	14.5 0	260	31	CX7-23-10-*-AH20A-A10-PG4U-9	Q4
5	7-1/2	15	~	1825	325	33	CX7-23-10-*-AH25A-A10-PG4U-9	Q4

- This is a factory assembly. The KS7-C0C4R does not include knock-outs for field assembly of this starter.
- Horsepower ratings shown in the table above are for reference. The final selection of the controller depends on the actual motor full load current and service factor. For motor with service factor less than 1.15. Use motor nameplate full load current times 0.9 and choose the motor starter with the appropriate current range. Example: Motor FLC = 4.2A; S.F. = 1.0. 4.2A x 0.9 = 3.78A. Select catalog number KTA7-25S-4A.
- Magnetic trip is fixed at 13x the maximum value of the current adjustment range.
- CX7 may be applied to single phase loads. Contact factory for these specifications.
- Other voltages available, see Section A in this catalog.
- KAIC Assembly Rating Index. See pages F73-F76 for Application Rating Guide.
- Uses D7P-U2EFFEPX11 Two-Position Multifunction push button with legend I/O and D7P-MT44PX01 Emergency Stop Push Button.

Includes:

- Type 1/12K Non-metallic enclosure (KS7-C0C4R)
- KTA7 "Type E/F" Self-protected Combination Motor Controller with 1 NO front mount Auxiliary Contact (Cat #: KT7-PE1-10)
- Terminal Adaptor for Type E Applications (Cat.# KT7-25-TE1)
- CA7 contactor (for remote operation), AC coil
- Multifunction 2-position Push Button and Emergency Stop ②
- Gray and black Type 1/12K; IP66 handle (KT7-SHB + KT7-KN1) ●
- Power wiring



Contactor AC Coil Codes (*) **⑤**

AC	Voltage Range			
Coil Code	50 Hz	60 Hz		
24Z	24V	24V		
120	110V	120V		
220W	200-220V	208-240V		
415	400-415V	~		
480 ®	440V	480V		
600 ®	550V	600V		

KWIKstarter coils are wired standard from the factory to terminals "L1" and "L2" (for line voltage control). This means the coil voltage must match the line voltage. When a coil is specified for 120V or less, it will be wired for a separate control source (not wired to L1 and L2).

- OPT not possible with KS7-C0C4R. Refer page F119 for dimensional information.
- A red and yellow handle may be selected instead of the standard gray and black handle. Change "PG" suffix to "PJ". Ex: CX7-9-10-*-AS0.16A-A10-PG4U-9 becomes CX7-9-10-*-AS0.16A-A10-PJ4U-9.
- © Catalog number (-A10) includes front-mounted auxiliary KT7-PE1-10 with 300 VAC maximum control circuit matching line voltage, or provided from separate source, used to de-energize contactor coil under fault condition (auxiliary not available for customer use). For control circuits greater than 300 VAC, which is common with line voltage, the auxiliary will not be wired into the control circuit since the contactor coil will be de-energized when KTA7 is tripped due to overload or short circuit; therefore, the KT7-PE1-10 auxiliary is available for customer use.



Enclosed Reversing Combination Controller, AC Operation - Type 1/12K/IP66 @@

							Non-Metallic Type 1/12K/IP66 Enclosure	
							(KS7-COC4R)	
Amp / Horsepower Rating								
Max	. Horsep	ower O	000	O/L Relay	Magnetic	_		Di
	Three	Phase		Ampere	Response	Index		Dimension Code
200V	230V	460V	575V	Range	Current	9	Catalog Number 469	sion
				KTA7-2	25S Standard	l I Inter	rupting Capacity	
~	~	~	~	0.100.16	2.1	1	CXU7-9-22-*-AS0.16A-A10-PG▼	Q4
~	~	~	~	0.160.25	3.3	2	CXU7-9-22-*-AS0.25A-A10-PG▼	Q4
~	~	~	~	0.250.40	5.2	3	CXU7-9-22-*-AS0.4A-A10-PG▼	Q4
~	~	~	~	0.400.63	8.2	4	CXU7-9-22-*-AS0.63A-A10-PG▼	Q4
~	~	1/2	3/4	0.631.0	13	5	CXU7-9-22-*-AS1A-A10-PG▼	Q4
~	~	1	1	1.01.6	21	6	CXU7-9-22-*-AS1.6A-A10 G	Q4
1/2	3/4	1-1/2	2	1.62.5	33	7	CXU7-9-22-*-AS2.5A-	Q4
1	1	3	3	2.54	52	8	CXU7-0-22-	Q4
1-1/2	2	5	~	46.3	82	9	CXU 9-2. ★ 1 3.5A-A10-PG▼	Q4
3	3	7-1/2	~	6.310	130		U7 2-*-AS10A-A10-PG▼	
5	5	10	~	1016	50	O Y	C.J7-16-22-*-AS16 A1 PG▼	Q4
5	7-1/2	15	~	14-520	30	15	CXU7-23-22 AS2L L 2	Q4
1/2	3/4	1-1/2	2	1.6 2.5	33	nterru 17	pting Carreity CM7-9-4	Q4
1/2	1	3	3	2.54	52	1	3Xu 9-22-*-AH4A-A10-PG▼	Q4
1/1/2	2	5	5	46.3	32	1	CXU7-9-22-*-AH6.3A-A10-PG▼	Q4
3	3	7-1/2	10	6.3 10		4	CXU7-12-22-*-AH10A-A10-PG▼	Q4
5	5	10		16	208	28	CXU7-16-22-*-AH16A-A10-PG▼	Q4
5	7-1/2	15	~	.520	260	31	CXU7-23-22-*-AH20A-A10-PG▼	Q4
5	7-1/2	15	~	1825	325	33	CXU7-23-22-*-AH25A-A10-PG▼	Q4

Includes:

- Type 1/12K Non-metallic enclosure (KS7-C0C4R)
- KTA7 "Type E/F" Self-protected Combination Motor Controller with 1 NO front mount Auxiliary Contact (Cat #: KT7-PE1-10)
- Terminal Adaptor for Type E Applications (Cat.# KT7-25-TE1)
- CA7 contactor (for remote operation), AC coil
- Gray and black Type 1/12K; IP66 handle (KT7-SHB + KT7-KN1) 3
- Power wiring
- Factory installed Pilot device option 6

Replace ▼ with option code.

See page F103 for

actory installed modifications

omactor AC Coil Codes (*) 4

AC	Voltage Range			
Coil Code	50 Hz	60 Hz		
24Z	24V	24V		
120	110V	120V		
220W	200V-220V	208V-240V		
415	400-415V	~		
480 ②	440V	480V		
600 9	550V	600V		

KWIKstarter coils are wired standard from the factory to terminals "L1" and "L2" (for line voltage control). This means the coil voltage must match the line voltage. When a coil is specified for 120V or less, it will be wired for a separate control source (not wired to L1 and L2).

- Horsepower ratings shown in the table above are for reference. The final selection of the controller depends on the actual motor full load current and service factor. For motor with service factor less than 1.15. Use motor nameplate full load current times 0.9 and choose the motor starter with the appropriate current range. Example: Motor FLC = 4.2A; S.F. = 1.0. 4.2A x 0.9 = 3.78A. Select catalog number KTA7-25S-4A.
- Magnetic trip is fixed at 13x the maximum value of the current adjustment range.
- CXU7 may be applied to single phase loads. Contact factory for specifications.
- 4 Other voltages available, see Section A in this catalog.
- KAIC Assembly Rating Index. See pages F73-F76 for Application Rating Guide
- One Pilot Device option must be selected. Plastic Bezel is standard. Pilot Device options include D7-BX_ Base Mounted contact blocks. Pilot Light option must match coil voltage 24V AC or DC, 120V AC or 240V AC only. See Section H for more information.
- CPT not possible with KS7-C0C4R. Refer to page F118 for wiring diagram and F119 for dimensional information.
- A red and yellow handle may be selected instead of the standard gray and black handle. Change "PG" suffix to "PJ". Ex: Change CXU7-9-10-★-AS0.16A-A10-PJ▼.
- © Catalog number (-A10) includes front-mounted auxiliary KT7-PE1-10 with 300 VAC maximum control circuit matching line voltage, or provided from separate source, used to de-energize contactor coil under fault condition (auxiliary not available for customer use). For control circuits greater than 300 VAC, which is common with line voltage, the auxiliary will not be wired into the control circuit since the contactor coil will be de-energized when KTA7 is tripped due to overload or short circuit; therefore, the KT7-PE1-10 auxiliary is available for customer use.



Enclosed Reversing Combination Controller, Electronic DC Operation - Type 1/12K/IP66 460

Amp / Horsepower Rating						Non-Metallic Type 1/12K/IP66 Enclosure (KS7-C0C4R)		
Max		oower O	000	0/L Relay	Magnetic	Index		Dimension Code
		Phase		Ampere Range	Response Current	ех ©		ensic ode
200V	230V	460V	575V				Catalog Number 469	ă
							rrupting Capacity	0.4
~	~	~	~	0.100.16	2.1	1	CXU7-9E-22-*-AS0.16A-A10-PG▼	Q4
~	~	~	~	0.160.25	3.3	2	CXU7-9E-22-*-AS0.25A-A10-PG▼	Q4
~	~	~	~	0.250.40	5.2	3	CXU7-9E-22-*-AS0.4A-A10-PG▼	Q4
~	~	~	~	0.400.63	8.2	4	CXU7-9E-22-*-AS0.63A-A10-PG▼	Q4
~	~	1/2	3/4	0.631.0	13	5	CXU7-9E-22-*-AS1A-A10-PG▼	
~	~	1	1	1.01.6	21	6	CXU7-9E-22-*-AS1.6A-A10-PG▼	
1/2	3/4	1-1/2	2	1.62.5	33	7	CXU7-9E-22-*-AS2.5A-A10-PG	Q4
1	1	3	3	2.54	52	8	CXU7-9E-22-*-464A	Q4
1-1/2	2	5	~	46.3	82	9	CXU7-9E-22-> ASt 3. 4 a▼	
3	3	7-1/2	~	6.310	130	11	CXU7- 2-> .0A-A10-PG▼	
5	5	10	~	1016	208	12	(U) 11-22-*-AS16A-A10-PCV	Q.
5	7-1/2	15	~	14.520	260	1	Xu1-23E-22-*-AS20 -A10-	Q4
					イン			
1/2	3/4	1-1/2	2	1.62.5	33	17	CXU7-9E-22*+Al. C5A JJ-PG▼	Q4
1	1	3	3	2.54	52	19	CY17 1 22 - AH4A-A10-PG▼	Q4
1/1/2	2	5	5	46.3	82	26	1 -922-*-AH6.3A-A10-PG▼	Q4
3	3	7-1/2	10	6.310	130		CX 12E-22-*-AH10A-A10-PG▼	Q4
5	5	10	15	116	208	28	CXU7-16E-22-*-AH16A-A10-PG▼	Q4
5	7-1/2	15	~	14.5	260	31	CXU7-23E-22-*-AH20A-A10-PG▼	Q4
5	7-1/2	15	~	1825	325	33	CXU7-23E-22-*-AH25A-A10-PG▼	Q4

Includes:

- Type 1/12K Non-metallic enclosure (KS7-C0C4R)
- KTA7 "Type E/F" Self-protected Combination Motor Controller with 1 NO front mount Auxiliary Contact (Cat #: KT7-PE1-10)
- Terminal Adaptor for Type E Applications (Cat.# KT7-25-TE1)
- CA7 contactors (for remote operation), with Electronic DC coil
- Gray and black Type 1/12K; IP66 handle (KT7-SHB + KT7-KN1) ③
- Power wiring
- Factory installed Pilot device option 6

Replace ▼ with option code.

page F103 for falled modifications

Contendor Electronic DC

DC Coil Codes	Voltage
12E	12V
24E	24V
36E	36-48V
48E	48-72V
110E	110-125V
220E	220-250V

KWIKstarter coils are wired standard from the factory to terminals "L1" and "L2" (for line voltage control). This means the coil voltage must match the line voltage. When a coil is specified for 120V or less, it will be wired for a separate control source (not wired to L1 and L2).

- Horsepower ratings shown in the table above are for reference. The final selection of the controller depends on the actual motor full load current and service factor. For motor with service factor less than 1.15. Use motor nameplate full load current times 0.9 and choose the motor starter with the appropriate current range. Example: Motor FLC = 4.2A; S.F. = 1.0. 4.2A x 0.9 = 3.78A. Select catalog number KTA7-25S-4A.
- Magnetic trip is fixed at 13x the maximum value of the current adjustment range.
- © CXU7 may be applied to single phase loads. Contact factory for these specifications.
- CXU7-9E...23E with electronic coils are not interchangeable with nonelectronic DC or AC coils.
- KAIC Assembly Rating Index. See pages F73-F76 for Application Rating Guide.
- One Pilot Device option must be selected. Blanks are not available. Plastic Bezel is standard. Pilot Device options include D7-BX_Base Mounted contact blocks. Pilot Light option must match coil voltage 24V AC or DC, 120V AC or 240V AC only. See Section H for more information.
- CPT not possible with KS7-C0C4R. Refer to page F118 for wiring diagram and F119 for dimensional information.
- A red and yellow handle may be selected instead of the standard gray and black handle. Change "PG" suffix to "PJ". Ex: Change CXU7-9-10-★-AS0.16A-A10-PG▼ to CXU7-9-10-★-AS0.16A-A10-PJ▼.



Combination Controller, Modifications (Factory Installed)

CX7 Non-Reversing Controller Modifications

Pilot Device Options - required	
Select one option only 0@0	Replace ▼ in catalog number with
START-STOP Multi-function	3U
I-O Multi-function	4U
OFF-ON 2-Position Selector switch	6
HAND-OFF-AUTO 3-Position Selector switch	7
Run Pilot Light Green	1G
Run Pilot Light Red	1R
Overload Alarm Pilot Light	1Y
D7-N8 22mm Hole Plug	0
Additional KT7 Auxiliaries & Trip Contacts	
Front Mount 300V maximum	
1 NO + 1 NC Auxiliary	-A11
2 NO Auxiliaries	-A20
1 NO SC+OL + 1 NC Auxiliary	-T10A01
1 NO SC+OL + 1 NO Auxiliary	-T10A10

CX7 Non-Reversing Controller Additions

Addition	Add to end of catalog number
CA7 Contactor Accessories	
Electronic Interface 4	-JE
Surge Suppressor RC	200
Surge Suppressor Varistor	V
CA7 Auxiliary Contacts 66	
1 NO Auxiliary	-\$10
1 NC Auxiliary	-801
1 NO + 1 NC Auxiliary	-91
2 NO Auxiliaries	0 1
2 NC Auxiliaries	-502
Alternate Aux. Contact Alarge Cut Conly,	
1 NC in lieu of standard 1 NO	-SX10
2 NC in lieu of standard 2 NO (on CXU7 only)	-SX2
Unwired Terminal Blocks Specify quantity (▼)	-▼TB

CXU7 Reversing Controller Modifications

Pilot Device Options - required	
	Replace ▼
	in catalog
Select one option only 0 ❷❸	number with
FOR-STOP-REV Multi-function	3U
UP-STOP-DOWN Multi-function	4U
OPEN-STOP-CLOSE Multi-function	5U
FOR-STOP-REV 3-Position Selector switch	6
UP-OFF-DOWN 3-Position Selector switch	7
OPEN-OFF-CLOSE 3-Position Selector switch	8
Overload Alarm Pilot Light	1Y
D7-N8 22mm Hole Plug	0
Additional KT7 Auxiliaries & Trip Contacts	
Front Mount 300V maximum	
1 NO + 1 NC Auxiliary	-A11
2 NO Auxiliaries	-A20
1 NO SC+OL + 1 NC Auxiliary	-T10A01
1 NO SC+OL + 1 NO Auxiliary	-T10A10

CXU7 Reversing Controller Additions

it i	Add to end of catalog number
Electronic Interface	-JE
Surge Suppressor RC	-R
arge pressor Varistor	-V

- KS7-C0C4R only has (1) 22mm hole to accomodate (1) pilot device.
- Currently supply D7 multi-function pushbuttons as standard which do not require protective boots to meet Type 4X. See Section H in this catalog for description (all suffix's ending in "U").
- Pilot Lights may be applied with 24VAC/VDC, 120VAC or 240VAC Control Circuit. Pilot Lights with 380 VAC...575VAC require a control circuit
- transformer.
- 4 CRI7E-24 will be used. CRI7E-12 by special order only.
- See page A47 for limitations on adding auxiliaries to Electronic DC Coil contactors.
- Additional auxiliaries are per contactor. Number of auxiliaries is double for reversing applications.

F103



CX7 KWIKstarter Enclosures for use with KTA7 Type E Motor Controllers and CA7 Contactors **● ●**

		For Use With		Environmental	
Component	Description	Type E Control- ler	Contactor	Approvals	Catalog Number
SSS2***	Enclosure for Combo KWIKstarter © CX7/CXU7-923 CX7/CXU7-9E23E	KTA7-25S KTA7-25H	CA7-923 CA7-9E23E CAU7-923 CAU7-9E23E	cUL Type 1/12K IEG IP66	KS7-COC4R

Handle Accessory for CX7/CXU7 KWIKstarters •

Accessory	Description	For Use With	Color	Catalog Number
1	Door Coupling Handle ● Padlockable • NEMA Type 1/12K and IP66	All KT7s	Gray/Black	KT7-SHB
	Includes handle coupling (shaft) Requires KT7-KN1 Locking Knob	All K173	Red/Yellow	KT7-SHBY
	Lockable Twist Knob • for use with KT7-SHB	All KT7s	Gray/Black	KT7-KN1
	Universal Connector for CX7/CXU7 • Provides electrical interconnection of KTA7 and CA7 (with AC or Electronic DC coil) • Applies to FVNR and FVR versions • Allows for mounting the CA7 on a single DIN in the	S ^A (N) Y.	Black	KT7-255-5123A @

CX7 KWIKstarter Pilot Device Kits (for use vital 1/10004R Type 1/10004

Kits	COCCIO E1	ncluded		Catalog Number		
KIIS	Oscription	NO	NC	Catalog Number		
	Multi-Function Pushbuton kit Non-illuminated START-STOP I-0	1	1	KS7-P3U KS7-P4U		
	FOR-STOP LV UP-STOP-D SE	2	1	KS7-P3U-REV KS7-P4U-REV KS7-P5U-REV		
	Selector switch kits Non-illuminated, includes legend plate					
	ON-OFF 2-Position	1	0	KS7-P6	See page C29 for	
	HAND-OFF-AUTO 3-Position	2	0	KS7-P7		
	FOR-OFF-REV 3-Position UP-OFF-DOWN 3-Position OPEN-OFF-CLOSE 3-Position	2	0	KS7-P6-REV KS7-P7-REV KS7-P8-REV		
	Run Pilot Light or Overload Alarm Pilot Light Plastic operator with diffuser lens in Red, Green or Yellow, with integrated LED power module	Replace with color choice R = Red G = Green Y = Yellow		KS7-P1©24V © KS7-P1©120V KS7-P1©240V		
0	Hole Plug used to plug 22.5mm holes.	Gray Plastic		D7-N8	See page H72	

- KS7-C0C4R is supplied with the following holes:
 - $\bullet\,$ (1) one 22mm hole for a Pilot Device option, select one kit from this page.
 - (1) one 22mm hole for KT7-SHB (or SHRY) Disconnect or Reset handle.
- Plastic bezel is standard. Pilot Device Kits include D7-BX_ Base Mounted contact blocks. See Section H for more information.
- **©** CPT not possible.
- Standard KT7-25S-PEC23 does not work in CX7/CXU7 Kwikstarters.
- **⑤** KS7-P1**②**24V can be used with 24VAC or 24VDC.