



# Fusible /Non Fusible Combination Controls Special Purpose Series HVAC, Pumps



### Fusible /Non Fusible Combination Controls:

- A. UL/CSA Manual Motor Disconnect with safety door interlocks. Industrial Control Disconnects are load make, load break, UL Listed for motor load switching duty.
- B. Standard fuse blocks used are shown below.
- C. Type ECX contactors and overload relays are complete with precision ambient compensated heaters, and differential single phase protection.



Shown with optional HOA, and run light.

### FCTECX 1HP-250HP

Voltage	Design Rating Max HP 	Fuse Block Amps	Catalog No. Type FC TECX-	Fusible Disconnect Type Enclosed			Non Fusible Omit Fuse Block Deduct NFCTECX
				(Metal) General Purpose NEMA1 -M01	(Non Metal) Dust tight Outdoor NEMA4X -4X	(Metal) Dust Tight Drip Tight NEMA 12/4 -M4	
200/230	7 1/2	30 cc	18-1 * - ⊕ -	\$ 600	\$ 720	\$ 720	\$ - 30
460	10	30 cc	18-2 * - ⊕ -	\$ 600	\$ 720	\$ 720	\$ - 30
208/230	10/15	60 J	32-1 * - ⊕ -	\$ 700	\$ 840	\$ 840	\$ - 30
460	20	60 J	32-2 * - ⊕ -	\$ 700	\$ 840	\$ 840	\$ - 30
208/230	20/25	100 J	65-1 * - ⊕ -	\$ 850	\$ 980	\$ 980	\$ - 30
460	40	100 J	65-2 * - ⊕ -	\$ 850	\$ 980	\$ 980	\$ - 30
200/230	30	200 J	95-1 * - ⊕ -	\$ 1,180	\$ 1,490	\$ 1,360	\$ - 30
460	50	200 J	95-2 * - ⊕ -	\$ 1,180	\$ 1,490	\$ 1,360	\$ - 30
200/230	40/50	200 J	150-1 * - ⊕ -	\$ 2,580	\$ 3,380	\$ 2,880	\$ - 100
460	100	200 J	150-2 * - ⊕ -	\$ 2,580	\$ 3,380	\$ 2,880	\$ - 100
200/230	75	400 J	225-1 * - ⊕ -	\$ 5,000	\$ 6,900	\$ 5,300	\$ - 200
460	125	400 J	225-2 * - ⊕ -	\$ 5,000	\$ 6,900	\$ 5,300	\$ - 200
208/230	100	400 J	265-1 * - ⊕ -	\$ 5,200	\$ 7,100	\$ 5,500	\$ - 200
460	200	400 J	265-2 * - ⊕ -	\$ 5,200	\$ 7,100	\$ 5,500	\$ - 200
208/230	150	600 J	400-1 * - ⊕ -	\$ 8,000	\$ 9,700	\$ 8,400	\$ - 300
460	250	600 J	400-2 * - ⊕ -	\$ 8,000	\$ 9,700	\$ 8,400	\$ - 300



Shown with optional transformer, and HOA

Check With Factory for Larger Sizes

<b>*Coil Voltage Suffix</b>
<b>* - Add Suffix AC Voltage</b>
-A = 120V
-C = 230V/208V
-E = 480V
-F = 600V (ECX95 Max)
-D = 380V (ECX95 Max)
-G = 24V (ECX95 Max)
-H = 280V (ECX95 Max)

⊕ Add to Part #	Overload Amp Range	⊕ Add to Part #	Overload Amp Range
-63A	-.4 - .63A	-25A	-17 - 25A
-1A	-.63 - 1A	-32A	-23 - 32A
-1.6A	-1 - 1.6A	-36A	-28 - 36A
-2A	-1.25 - 2A	-40A	-30 - 40A
-2.5A	-1.6 - 2.5A	-50A	-37 - 50A
-4A	-2.5 - 4A	-65A	-48 - 65A
-6A	-4 - 6A	-80A	-63 - 80A
-8A	-5.5 - 8A	-93A	-80 - 93A
-10A	-7 - 10A	-125A	-80 - 125A
-13A	-9 - 13A	-200A	-125 - 200A
-18A	-12 - 18A	-315A	-200 - 315A

### Example:

Non Fusible Combination 10HP, 460V, Nema 1 Enclosure, w/120Vac coil.  
Part # NFCTECX18-2A-18A-M01  
List \$570



## ADDITIONS AND SPECIAL FEATURES MAGNETIC STARTERS AND CONTACTORS

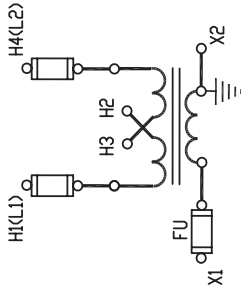
### Factory Installed Suffixes Lists

Additions or Special Features	Enclosure Type	Catalog Suffix	ECX	ECX	ECX	ECX
			18 -- 32	65 -- 95	150 -- 265	400 -- 630
			TECX	TECX	TECX	TECX
			18 -- 32	65 -- 95	150 -- 265	400 -- 630
"Start-Stop" push button.....(Twin Type)..... 1		KSS-2	\$50	\$50	\$50	\$50
"Start-Stop" push button.....(Twin Type)..... 4,12,3R,4X		KSS-3	120	120	120	120
"Hand-Off-Auto" selector switch..... 1		KSL-1	50	50	50	50
"Hand-Off-Auto" selector switch..... 4,12,3R,4X		KSL-3	120	120	120	120
"Start-Stop" push button and "Hand-Off-Auto" selector switch..... Any		SS-HOA	240	240	240	240
Pilot Light.....Any		PL	75	75	75	75
E-Stop.....Any		ESTOP	90	90	90	90
"On-Off" selector switch..... 1		KSN-1	50	50	50	50
"On-Off" selector switch..... 4,12,3R,4X		KSN-3	120	120	120	120
"Forward-Off-Reverse" selector switch.....Any		FOR	120	120	120	120
"High-Off-Low" selector switch.....Any		HOL	120	120	120	120
"Forward-Reverse-Stop" push button..... Any		FRS	200	200	200	200
"Up-Down-Stop" push button..... Any		UDS	200	200	200	200
"Fast-Slow-Stop" push button..... Any		FSS	200	200	200	200
Control circuit transformer: With fused primary and secondary 50/60 Hz..... Any		FT ___ V	\$250	\$350	\$425	\$550
Note: Add Primary Voltage after the "FT".						

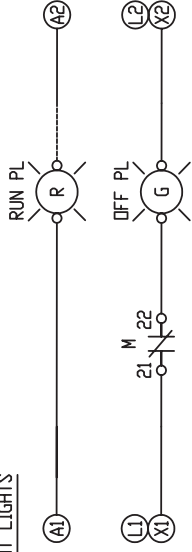
Enclosure Type	Part Numbers	Approximate Overall Dimension H x W x D	List \$
<b>NEMA 1 METAL</b>	M01-070405H	7" x 4" x 5"	\$105
	M01-100806	10" x 8" x 6"	\$110
	M01-121006	12" x 10" x 6"	\$130
	M01-161208	16" x 12" x 8"	\$315
<b>NEMA 3R METAL</b>	M3R-100806	10" x 8" x 6"	\$120
	M3R-121006	12" x 10" x 6"	\$145
	M3R-161208	16" x 12" x 8"	\$325
	M3R-201608	20" x 16" x 8"	\$355
<b>NEMA 4/12 METAL</b>	M4/12-100806	10" x 8" x 6"	\$135
	M4/12-121006	12" x 10" x 6"	\$175
	M4/12-161208	16" x 12" x 8"	\$350
	M4/12-201608	20" x 16" x 8"	\$375
<b>NEMA 4X FIBERGLASS</b>	S4X-AM864	8" x 6" x 6"	\$155
	S4X-AM1008	10" x 8" x 8"	\$185
	S4X-AM1210	12" x 10" x 8"	\$230
	S4X-AM1614	16" x 14" x 10"	\$410
	S4X-AM2016	20" x 16" x 10"	\$525

## OPTIONS

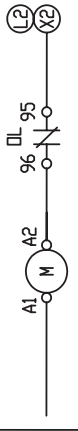
### TRANSFORMER



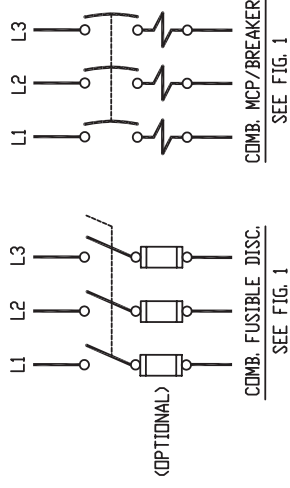
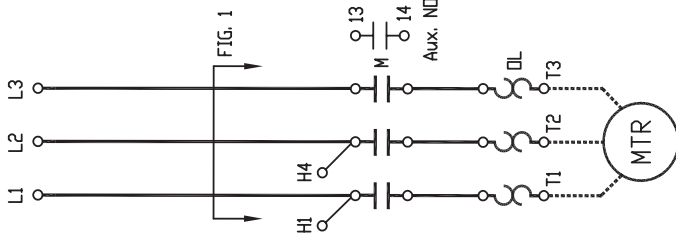
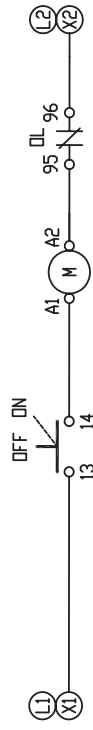
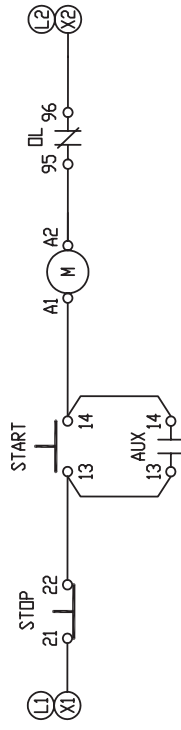
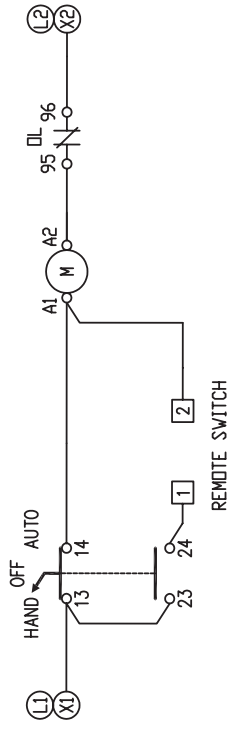
### PILOT LIGHTS



Note: On B05 Overload 95 and 96 terminals are reversed on connection



## CONTROL CIRCUIT



## POWER CIRCUIT

Wiring Diagrams for:  
Across the line starter-  
Combination Starters

