0	1		2	
		BY	DD/MM/YY	
Firetrol	DRAWN BY	ACD	28/02/23	
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220 to 240

380 to 410

440 to 480

600

Bending

Space

N/A

1x (3/0)

1x (1/0 to 3/0)

1x (1 to 1/0)

5 " (127 mm)

AUTOMATIC TRANSFER SWITCH FOR ELECTRIC FIRE PUMP CONTROLLER

BUILT TO THE LATEST EDITION OF TH	E
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MODEL: FTA950

NFPA20 & NFPA70		
	DRAWING NUMBER E	A
	DWG REV. 0	1
	SHEET 1 OF 1	1

COPPER CONDUCTORS for Isolating Switch (AIS1). Field Wiring According to Bending Space (AWG or MCM). Terminals AL1 - AL2 - AL3

Bending , Space				5 " (1	27 mm)				8 " (203 mm)			
HP Voltage	5	7.5	10	15	20	25	30	40	50	60		
208	1x (10 to 1/0)	1x (8 to 1/0)	1x (8 to 1/0)	1x (6 to 1/0)	1x (4 to 1/0)	1x (3 to 1/0)	1x (2 to 1/0)	1x (1/0 to 3/0)	1x (3/0 to 250)	1x (4/0 to 250)		
220 to 240	1x (10 to 1/0)	1x (10 to 1/0)	1x (8 to 1/0)	1x (6 to 1/0)	1x (4 to 1/0)	1x (4 to 1/0)	1x (3 to 1/0)	1x (1 to 3/0)	1x (2/0 to 3/0)	1x (3/0 to 250)		
380 to 416	1x (10 to 1/0)	1x (10 to 1/0)	1x (10 to 1/0)	1x (8 to 1/0)	1x (8 to 1/0)	1x (6 to 1/0)	1x (6 to 1/0)	1x (4 to 1/0)	1x (3 to 1/0)	1x (3 to 1/0)		
440 to 480	1x (10 to 1/0)	1x (10 to 1/0)	1x (10 to 1/0)	1x (10 to 1/0)	1x (8 to 1/0)	1x (8 to 1/0)	1x (6 to 1/0)	1x (6 to 1/0)	1x (4 to 1/0)	1x (3 to 1/0)		
600	1x (10 to 1/0)	1x (10 to 1/0)	1x (10 to 1/0)	1x (10 to 1/0)	1x (10 to 1/0)	1x (8 to 1/0)	1x (8 to 1/0)	1x (6 to 1/0)	1x (6 to 1/0)	1x (4 to 1/0)		
Bending Space		12 '	' (305 mm)				16 "	(406 mm)			-	
HP Voltage	75	100	125	150	200	250	300	350	400	450	500	
208	2x (1/0 to 500)	2x (2/0 to 500)	2x (4/0 to 500)	2x (250 to 500)	3x (4/0 to 500)							
220 to 240	1x (250)	2x (2/0 to 500)	2x (3/0 to 500)	2x (4/0 to 500)	2x (350 to 500)	3x (250 to 500)						
380 to 416	1x (1/0 to 3/0)	1x (3/0 to 250)	1x (250)	2x (1/0 to 500)	2x (3/0 to 500)	2x (4/0 to 500)	2x (300 to 500)	2x (400 to 500)	3x (250 to 500)	3x (300 to 500)		
440 to 480	1x (1 to 3/0)	1x (2/0 to 3/0)	1x (3/0 to 250)	1x (4/0 to 250)	2x (1/0 to 500)	2x (3/0 to 500)	2x (4/0 to 500)	2x (300 to 500)	2x (350 to 500)	2x (400 to 500)	3x (250 to 500)	
600	1x (3 to 1/0)	1x (1 to 3/0)	1x (2/0 to 3/0)	1x (3/0 to 250)	1x (250)	2x (2/0 to 500)	2x (3/0 to 500)	2x (4/0 to 500)	2x (250 to 500)	2x (300 to 500)	2x (350 to 500	
Bending Space	5 " (127 mm)	127 mm) 8 " (203 mm)					12 " (305 mm)					

ALUMINUM CONDUCTORS for Isolating Switch (AIS1). Field Wiring According to Bending Space (AWG or MCM). Terminals AL1 - AL2 - AL3

2x (3/0 to 500) 2x (250 to 500) 2x (300 to 500)

1x (350)

N/A

1x (250)

1x (3/0) 90°C *

8 " (203 mm)

1x (250 to 350

1x (3/0)

1x (2/0 to 3/0)

Bending Space				5 " (1	7 mm)			8 " (203 mm)		10 " (254 mm)
HP Voltage	5	7.5	10	15	20	25	30	40	50	60
208	1x (10 to 1/0)	1x (6 to 1/0)	1x (6 to 1/0)	1x (4 to 1/0)	1x (3 to 1/0)	1x (1 to 1/0)	1x (1/0)	1x (3/0)	1x (4/0 to 250)	1x (300) ** or 1x (250) 90°C *
220 to 240	1x (10 to 1/0)	1x (8 to 1/0)	1x (6 to 1/0)	1x (4 to 1/0)	1x (3 to 1/0)	1x (2 to 1/0)	1x (1 to 1/0)	1x (2/0 to 3/0)	1x (3/0) 90°C *	1x (250)
380 to 416	1x (10 to 1/0)	1x (10 to 1/0)	1x (10 to 1/0)	1x (6 to 1/0)	1x (6 to 1/0)	1x (4 to 1/0)	1x (4 to 1/0)	1x (2 to 1/0)	1x (1 to 1/0)	1x (1/0)
440 to 480	1x (10 to 1/0)	1x (10 to 1/0)	1x (10 to 1/0)	1x (8 to 1/0)	1x (6 to 1/0)	1x (6 to 1/0)	1x (6 to 1/0)	1x (4 to 1/0)	1x (2 to 1/0)	1x (1 to 1/0)
600	1x (10 to 1/0)	1x (8 to 1/0)	1x (6 to 1/0)	1x (6 to 1/0)	1x (4 to 1/0)	1x (4 to 1/0)	1x (2 to 1/0)			
Bending Space		12	" (305 mm)				16 "	(406 mm)		
HP Voltage	75	100	125	150	200	250	300	350	400	450
208	2x (2/0 to 500)	2x (4/0 to 500)	2x (300 to 500)	2x (350 to 500)	3x (300 to 500)					
000 4- 040	1x (350) **	2x (2/0 to 500)	2x (250 to 500)	2v (200 to 500)	27 (500)	2x (400 to 500)				

2x (500)

2x (4/0 to 500)

2x (3/0 to 500)

1x (350 to 500)

3x (400 to 500)

2x (300 to 500)

2x (250 to 500)

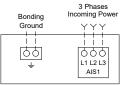
2x (3/0 to 500)

2x (500)

2x (300 to 500)

2x (4/0 to 250)

Power Terminals



Notes: 1 - Controller is phase sensitive. Incoming lines must be connected in ABC sequence.

Manufacturer reserves the right to modify this drawing without notice.

Drawing for information only.

Contact manufacturer for "As Built" drawing.

*For standard enclosure, use 90°C aluminium wire. Consult Factory for Use of Conductors Rated Lower than 90°C. ** Consult Factory

2x (3/0 to 500)

x (300 to 350)

1x (250) 90°C

1x (4/0 to 250)

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12 " (305 mm)

3x (300 to 500)

2x (500) 90°C

2x (400 to 500)

2x (300 to 500)

3x (350 to 500)

2x (500)

2x (350 to 500)

3x (400 to 500)

2x (500) 90°C *

2x (400 to 500)

3x (350 to 500)

2x (500)

5