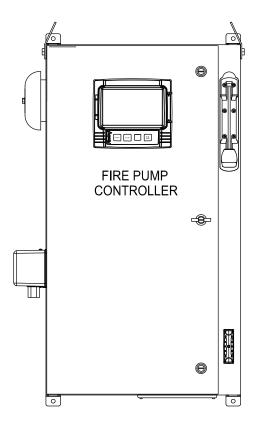


MARKIII Limited Service Electric Fire Pump Controller - Across The Line Starting



(DRAWINGS INCLUDED IN THIS PACKAGE ARE FOR STANDARD CONTROLLERS. ACTUAL "AS BUILT" DRAWINGS MAY DIFFER FROM THOSE SEEN HERE).

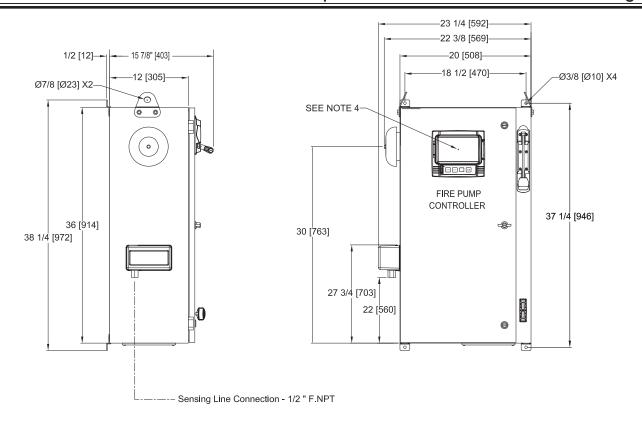
Firetrol, Inc.

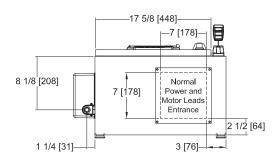
3412 Apex Peakway Apex, North Carolina 27502 P 919 460 5200 F 919 460 5250 www.firetrol.com

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MARKIII Limited Service Electric Fire Pump Controllers - Across The Line Starting





VOLTAGE/POWER TABLE								
LINE	MOTOR							
VOLTAGE/HZ	HORSEPOWER							
200-208/50-60	3-30							
230-240/50-60	3-30							
380-415/50-60	3-30							
440-480/50-60	3-30							
575-600/60	3-30							
APPROX SHIP	PING WT: 80 [36]							

- 1. STANDARD: NEMA 2
- 2. STANDARD PAINT: TEXTURED RED RAL3002
- 3. ALL DIMENSIONS IN INCHES [MILLIMETERS] SHIPPING WEIGHT IN POUNDS [KG]
- 4. CENTER OF MARK III SCREEN: 29 5/8 [751] FROM BOTTOM OF ENCLOSURE
- 5. BOTTOM CONDUIT ENTRANCE THROUGH REMOVABLE GLAND PLATE RECOMMENDED
- 6. USE WATERTIGHT CONDUIT AND CONNECTOR ONLY
- 7. PROTECT EQUIPMENT AGAINST DRILLING CHIPS
- 8. DOOR SWING EQUAL TO DOOR WIDTH
- 9. DRAWINGS FOR CONSTRUCTION PURPOSES MUST BE OBTAINED FROM FIRETROL OR THE LOCAL FIRETROL REPRESENTATIVE

	SIZE A	BY	DATE
THIRD ANGLE	DRAWN BY	CIR	11-5-19
PROJECTION	FINAL APPROVAL	CIR	11-5-19



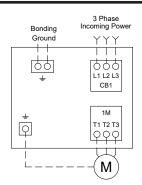
					RELEASED		-	-	CIR	CIR	11-5-19
	SIZE A BY DATE	REVISION DESCRIPTION		REV	ECN NO	BY	APP	DATE			
	DRAWN BY	RAWN BY CIR 11-5-19 Firetrol, Inc.		Firetrol, Inc.	DIMENSIONS AND SHIPPING WEIGHT	FTA750	DD750-70				
THIRD ANGLE			CIK	11-0-10		LIMITED CEDVICE FIRE DUMP CONTRO	UED	יטטי	50-70		
	FINAL APPROVAL	CIR	11-5-19	© Firetrol, Inc. Not for construction. Subject to change without notice.	LIMITED SERVICE FIRE PUMP CONTROLLER		DWG REV -	ECN -		s⊦	HEET 1 OF 1
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Field Connections Line & Motor Wire Terminal Capacity



MARKIII Limited Service Electric Fire Pump Controllers - Across The Line Starting

Line Terminals



- Notes.

 1 For proper wire sizing, refer to NFPA70 and NEC (USA) or CEC (Canada) or local code.

 2 Controller suitable for service entrance in USA.

 3 For more accurate motor connections refer to motor manufacturer or motor nameplate.
- Controller is phase sensitive. Incoming lines must be connected in ABC sequence.
 Field wiring and lug sizes are based on copper conductors only.
 Do not use aluminium conductors.

Bending Space				(Use Copper Conductors Or				
HP Voltage	5	7.5	10	15	20	25	30	
208	1x (10 to 1)	1x (8 to 1)	1x (8 to 1)	1x (6 to 1)	1x (4 to 1)	1x (3 to 1)	1x (2 to 1)	
220 to 240	1x (10 to 1)	1x (10 to 1)	1x (8 to 1)	1x (6 to 1)	1x (4 to 1)	1x (4 to 1)	1x (3 to 1)	
380 to 416	1x (10 to 1)	1x (10 to 1)	1x (10 to 1)	1x (8 to 1)	1x (8 to 1)	1x (6 to 1)	1x (6 to 1)	
440 to 480	1x (10 to 1)	1x (8 to 1)	1x (8 to 1)	1x (6 to 1)				
600	1x (10 to 1)	1x (10 to 1)	1x (8 to 1)	1x (8 to 1)				

Wiring Size for motor connection for FTA750 Models (AWG or MCM). TERMINALS T1 - T2 - T3													
HP Voltage	5	7.5	10	15	20	25	30						
208	1x (10)	1x (10)	1x (8 to 2)	1x (6 to 2)	1x (4 to 1)	1x (3 to 1)	1x (2 to 1)						
220 to 240	1x (12 to 10)	1x (10)	1x (8 to 2)	1x (6 to 2)	1x (4 to 1)	1x (4 to 1)	1x (3 to 1)						
380 to 416	1x (14 to 10)	1x (12 to 10)	1x (8 to 2)	1x (8 to 2)	1x (8 to 2)	1x (6 to 2)	1x (6 to 1)						
440 to 480	1x (14 to 10)	1x (14 to 10)	1x (12 to 10)	1x (10)	1x (8 to 2)	1x (8 to 2)	1x (6 to 2)						
600	1x (14 to 10)	1x (14 to 10)	1x (14 to 10)	1x (12 to 10)	1x (10)	1x (8 to 2)	1x (8 to 2)						

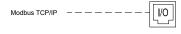
						RELEASED		-	-	CIR	CIR	11-12-19
ſ		SIZE A BY DATE DRAWN BY CIR 11-12-19 Firetrol, Inc.		REVISION DESCRIPTION		REV	ECN NO	BY	APP	DATE		
				FIELD CONNECTIONS	FTA750	DRAWING NUMBER						
	THIRD ANGLE	Dio tilit Di	CIIX	11-12-10		LIMITED CEDVICE FIDE DUMP CONTROLLED			FC750-70			
		FINAL APPROVAL		11-12-19	© Firetrol, Inc. Not for construction. Subject to change without notice.	LIMITED SERVICE FIRE PUMP CONTROLLER		DWG REV -	ECN -			EET 1 OF 1

Field Connections Alarm & Control Terminals



MARKIII Limited Service Electric Fire Pump Controllers - Across The Line Starting

Control Terminals (EB1) Remote Alarm Terminals (EB1) Terminals Wire Size: 24 - 12 AWG 0.5 Nm Terminals Wire Size: 24 - 12 AWG 0.5 Nm Normally open Closes to alarm Normally closed Opens to alarm Remote Manual Start Normally open Closes to alarm Normally closed Opens to alarm Normally open Closes to alarm Normally closed Opens to alarm Lockout Power Available Normally open Closes to alarm Normally closed Opens to alarm ' Normally open Closes to alarm Normally closed Opens to alarm ' J37 TB3 Remote Automatic Start Phase Reversal Normally open Closes to alarm Ø NO Normally closed Opens to alarm 5 Normally open Closes to alarm Normally closed Opens to alarm Open to start pump Deluge Valve Pump Room Alarm ** Normally open Closes to alarm Normally closed Opens to alarm Normally open Closes to alarm Normally closed Alarm Inputs (EB1) Opens to alarm ' Motor Trouble ** Normally open Terminals Wire Size: 24 - 12 AWG 0.5 Nm Closes to alarm Normally closed Opens to alarm Normally open Closes to alarm Normally closed Opens to alarm Ø NC Water Reservoir Low Close to signal alarm (Field Programmable) Normally open Closes to alarm Normally closed Opens to alarm Network Connection (VMB1) Shielded Female Connector R.I45



^{*} Remove jumper to use this feature ** Re-assignable

Drawing for information only.

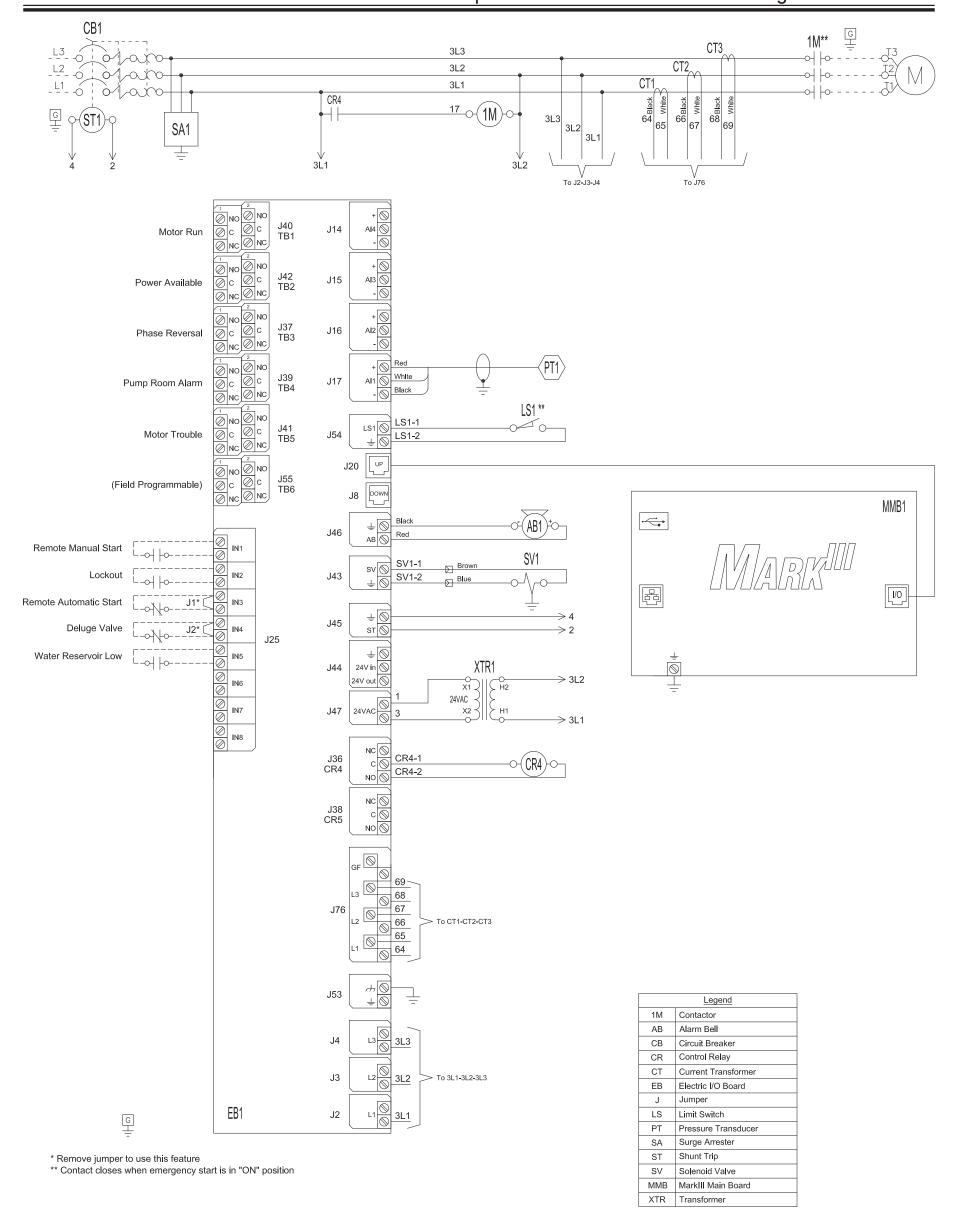
Manufacturer reserves the right to modify this drawing without notice.

Contact manufacturer for "As Built" drawing.

					RELEASED		-	-	CIR	CIR	11-12-19
	SIZE A	BY	DATE		REVISION DESCRIPTION		REV	ECN NO	BY	APP	DATE
	DRAWN BY CIR 1	R 11-12-19	Firetrol, Inc.	FIELD CONNECTIONS	FTA750	DRAWING NUMBER					
THIRD ANGLE	DIGWIND	CIIX	11-12-10		LIMITED CEDVICE FIRE DUMP CONTROLLED			FC750-71			
	FINAL APPROVAL	CIR	11-12-19	© Firetrol, Inc. Not for construction. Subject to change without notice.	LIMITED SERVICE FIRE PUMP CONTROLLER		DWG REV -	ECN -		SH	EET 1 OF 1
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Contact manufacturer for "As Built" drawing.

	SIZE B	BY	DATE		REVISION DESCRIPTION		REV	ECN NO	BY	APP	DATE	
\Rightarrow	THIRD ANGLE		WIRING SCHEMATIC	FTA750	DRAWING NUMBER WS750-70							
THIRD ANGLE			12 2 10		LIMITED SERVICE FIRE PUMP CONTROLLER			7 4/3/30-70			CDL	
	F IN AL APPROVAL	CIR	12-2-19	© Firetrol, Inc. Not for construction. Subject to change without notice.	LIMITED SERVICE FIRE FOME CONTRO	JELEN	DWG REV -	ECN -		SH	HEET 1 OF 1	
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