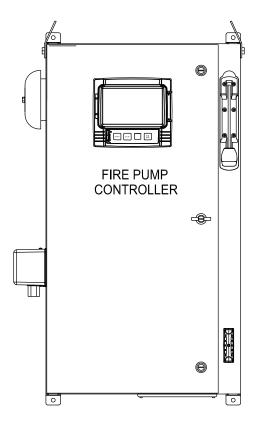


Mark^{III} 1Ø Limited Service Electric Fire Pump Controller - Single Phase Starting



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

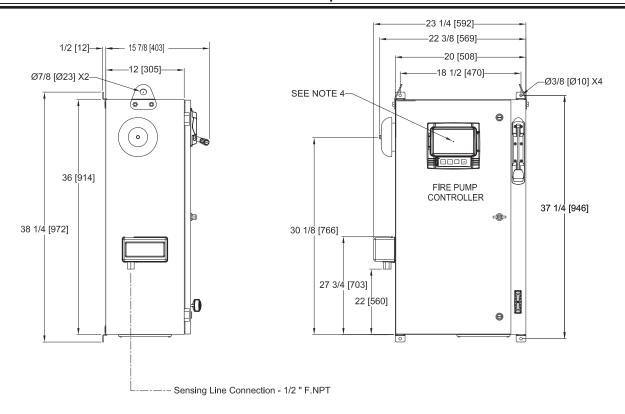
Firetrol, Inc.

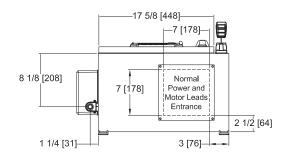
3412 Apex Peakway Apex, North Carolina 27502 P 919 460 5200 F 919 460 5250 www.firetrol.com

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MARKIII 1Ø Limited Service Electric Fire Pump Controllers - Across The Line Starting





VOLTAGE/POWER TABLE LINE MOTOR HORSEPOWER 110-120/60 1-7.5 200-208/50-60 3-15 230-240/50-60 3-15 APPROX SHIPPING WT: 80 [36]

NOTES:

- 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

					RELEASED			-	CIR	CIR	11-5-19
	SIZE A	BY	DATE		REVISION DESCRIPTION		REV	ECN NO	BY	APP	DATE
\Rightarrow		CIR	11-5-19	F Firetrol, Inc.	DIMENSIONS AND SHIPPING WEIGHT	FTA740		10MBER 40-70			
THIRD ANGLE PROJECTION	FINAL		11.5.10	© Firetrol, Inc. Not for construction.	SINGLE PHASE LIMITED SERVICE FIRE PUMP CONTROLLER		DWG	ECN ECN		Т	
	APPROVAL CIF		CIR 11-5-19 Subject to change without notice.				REV -	NO -		SH	HEET 1 OF 1

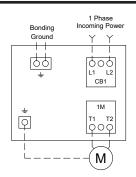
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Field Connections Line & Motor Wire Terminal Capacity



MARKIII 1Ø 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.

 4 Controller is phase sensitive. Incoming lines must be connected in ABC sequence.

 5 Field wiring and lug sizes are based on copper conductors only.

Do no	ot use	aluminiu	m cor	ductors.	

Bending Space	3 " (76 mm)										
HP Voltage	1	3	5	7.5	10	15					
110 to 120	1x (10 to 1)	1x (8 to 1)	1x (6 to 1)	1x (4 to 1)	N/A	N/A					
200 to 208	N/A	1x (10 to 1)	1x (8 to 1)	1x (6 to 1)	1x (4 to 1)	1x (3 to 1)					
220 to 240	N/A	1x (10 to 1)	1x (8 to 1)	1x (8 to 1)	1x (6 to 1)	1x (3 to 1)					
			, ,	, ,	, ,						

HP Voltage	1	3	5	7.5	10	15
110 to 120	1x (10 to 1)	1x (8 to 1)	1x (6 to 1)	1x (4 to 1)	N/A	N/A
200 to 208	N/A	1x (10 to 1)	1x (8 to 1)	1x (6 to 1)	1x (4 to 1)	1x (3 to 1)
220 to 240	N/A	1x (10 to 1)	1x (8 to 1)	1x (8 to 1)	1x (6 to 1)	1x (3 to 1)

					RELEASED		-	-	CIR	CIR	11-12-19
	SIZE A	BY	DATE		REVISION DESCRIPTION		REV	ECN NO	BY	APP	DATE
	DRAWN BY	CIR	11-12-19	Firetrol. Inc.	FIELD CONNECTIONS	FTA740	DRAWING NUMBER FC740-70				
THIRD ANGLE	:	CIK	11-12-10		CINCLE DUACE LIMITED CEDVICE FIDE	DUMP CONTROLLER	FU/4	10-70			
PROJECTION	FINAL APPROVAL	CIR	11-12-19	© Firetrol, Inc. Not for construction. Subject to change without notice.	SINGLE PHASE LIMITED SERVICE FIRE PUMP CONTROLLER		DWG REV -	ECN -			EET 1 OF 1

Field Connections Alarm & Control Terminals



MARKIII 10 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 Normally closed Opens to alarm Close to start pump Remote Manual Start Motor Run Normally open Closes to alarm Normally closed Opens to alarm Normally open Closes to alarm Normally closed Opens to alarm J42 TB2 Lockout Power Available Normally open Closes to alarm Normally closed Opens to alarm ' Normally open Closes to alarm Normally closed Opens to alarm Open to start pump Remote Automatic Start (Field Programmable) Normally open Closes to alarm Normally closed Opens to alarm ' Normally open Normally closed Closes to alarm 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 TB5 Normally closed Opens to alarm Closes to alarm Normally open Normally closed Closes to alarm Close to signal alarm Opens to alarm ' Water Reservoir Low (Field Programmable) Normally open TB6 Normally closed Opens to alarm Network Connection (VMB1) Shielded Female Connector RJ45

I/O Modbus TCP/IP ----

Drawing for information only.

Manufacturer reserves the right to modify this drawing without notice.

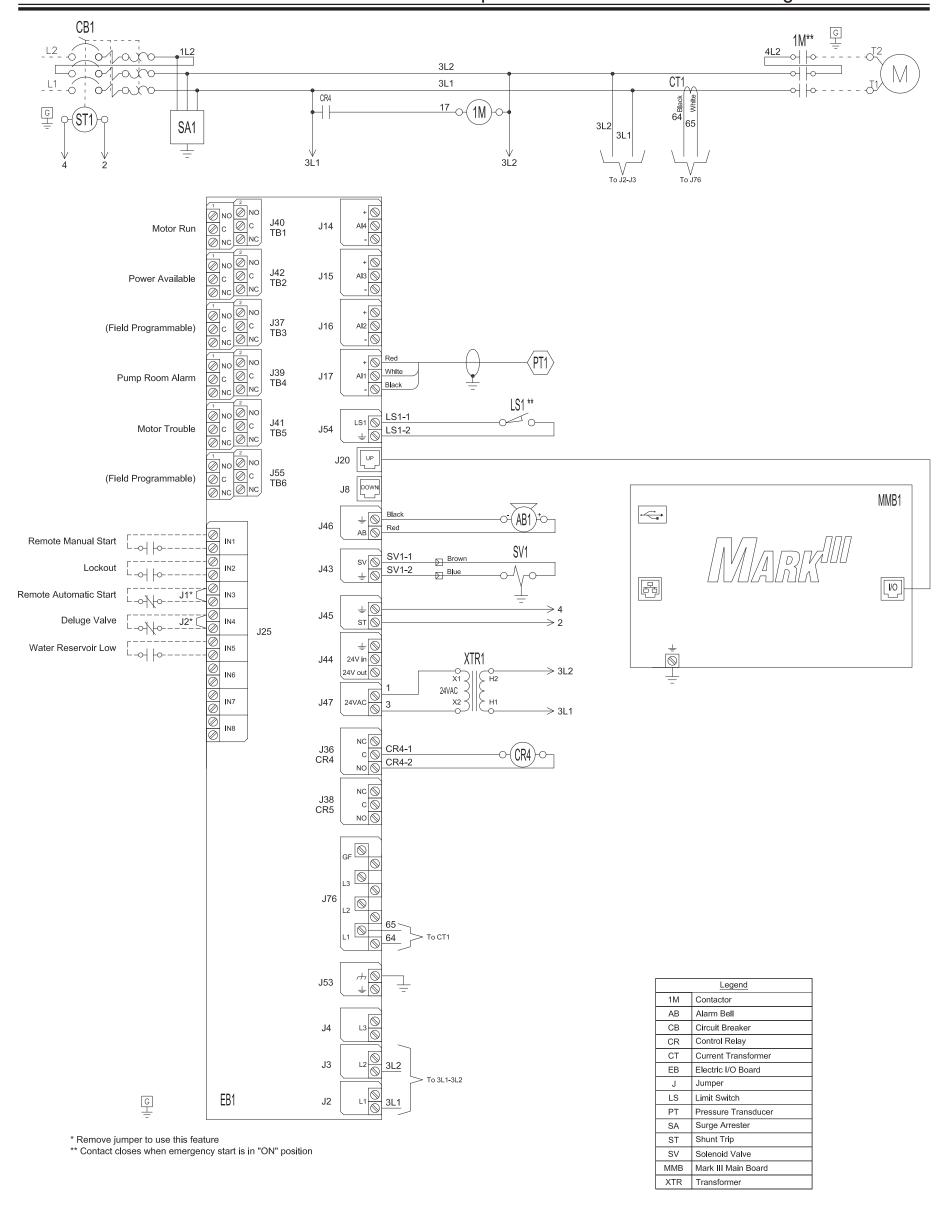
Contact manufacturer for "As Built" drawing.

					RELEASED			-	CIR	CIR	11-12-19
	SIZE A	BY	DATE		REVISION DESCRIPTION		REV	ECN NO	BY	APP	DATE
	DRAWN BY	N BY CIR	11-12-19	Firetrol, Inc.	FIELD CONNECTIONS	FTA740	DRAWING NUMBER FC740-71				
THIRD ANGLE					CINCLE DUACE LIMITED CEDVICE FIDE DUMP CONTROLLED			7			
	FINAL APPROVAL	CIR	11-12-19	© Firetrol, Inc. Not for construction. Subject to change without notice.	SINGLE PHASE LIMITED SERVICE FIRE PUMP CONTROLLER		DWG REV -	ECN -		SH	HEET 1 OF 1
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^{*} Remove jumper to use this feature ** Re-assignable



MARKIII 1Ø Limited Service Electric Fire Pump Controllers - Across The Line Starting



Drawing for information only.

Manufacturer reserves the right to modify this drawing without notice.

Contact manufacturer for "As Built" drawing.

\Rightarrow	SIZE B	BY	DATE		REVISION DESCRIPTION		REV	ECN NO	BY	APP	DATE	
	$\Rightarrow \blacksquare$	DRAWN BY	JMW	12-2-19	Firetrol, Inc.	WIRING SCHEMATIC	FTA740	DRAWING NUMBER WS740-70				
	THIRD ANGLE PROJECTION		310100	12 2 10	© Firetrol, Inc. Not for construction.	SINGLE PHASE LIMITED SERVICE FIRE	PUMP CONTROLLER	VV37	1			CDL
		FINAL APPROVAL	CIR	12-2-19	Subject to change without notice.			DWG REV -	NO -		SHI	EET 1 OF 1