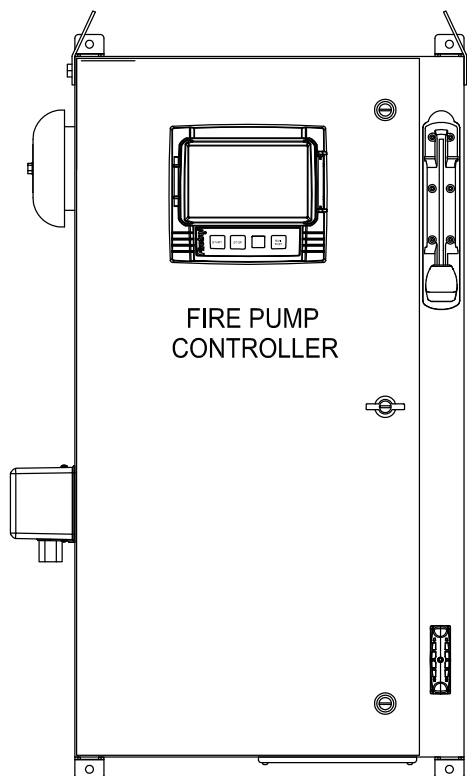


MARK^{III} 1Ø Limited Service Electric Fire Pump Controller – Single Phase Starting



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

Firetrol, Inc.

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Apex, North Carolina 27502
P 919 460 5200
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www.firetrol.com

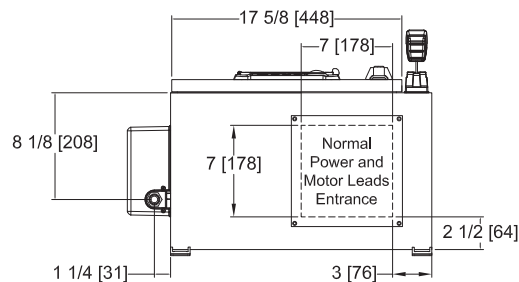
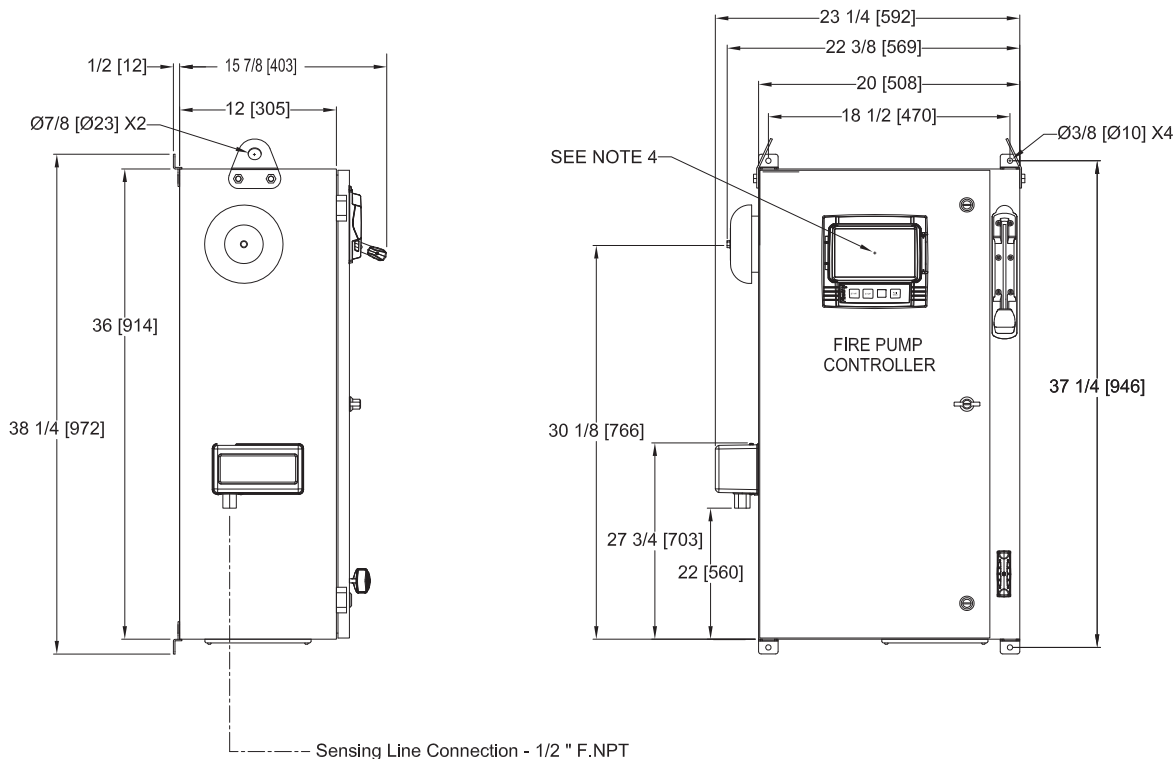
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Dimensions and Shipping Weight



FTA740

MARK^{III} 1Ø Limited Service Electric Fire Pump Controllers - Across The Line Starting





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

VOLTAGE/POWER TABLE

LINE VOLTAGE/HZ	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]	

<div> THIRD ANGLE PROJECTION</div>	SIZE	A	BY	DATE	<div> Firetrol, Inc.</div> <div>© Firetrol, Inc. Not for construction. Subject to change without notice.</div>	RELEASED		-	-	CIR	CIR	11-5-19
	DRAWN BY	CIR	11-5-19	REVISION DESCRIPTION		REV	ECN NO	BY	APP	DATE		
	FINAL APPROVAL	CIR	11-5-19	DIMENSIONS AND SHIPPING WEIGHT		FTA740		DRAWING NUMBER				
				SINGLE PHASE LIMITED SERVICE FIRE PUMP CONTROLLER		DD740-70						
						DWG REV	-	ECN NO	-	SHEET 1 OF 1		

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Field Connections

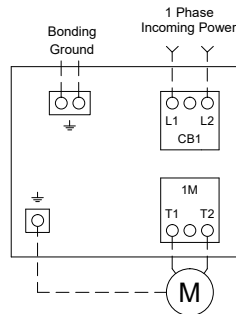
Line & Motor Wire Terminal Capacity



FTA740

MARK^{III} 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 not use aluminium conductors.

Circuit breaker (CB) Field Wiring according to Bending Space (AWG or MCM). TERMINALS L1 - L2

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)

(Use Copper Conductors Only)

Wiring Size for motor connection for FTA740 Models (AWG or MCM). TERMINALS T1 - T2

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)

(Use Copper Conductors Only)

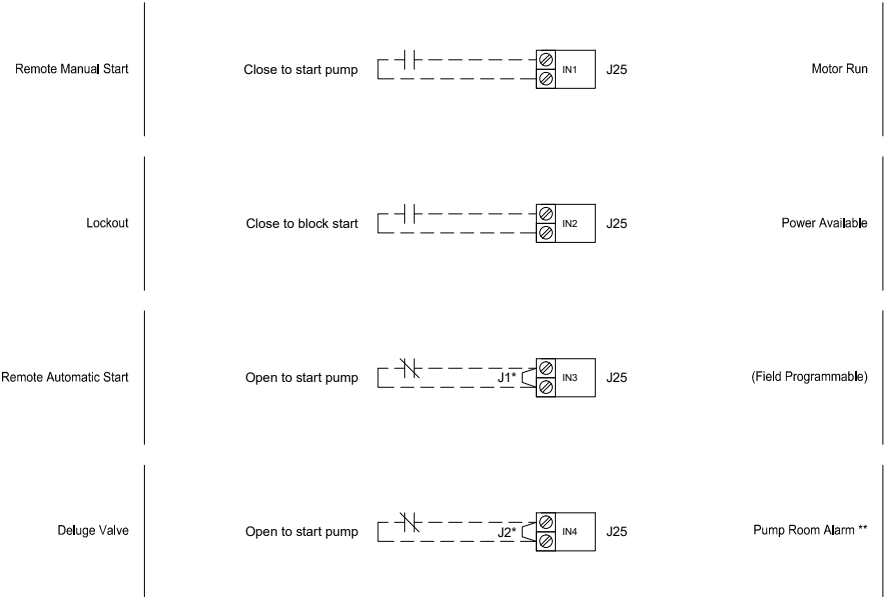
 THIRD ANGLE PROJECTION	SIZE	A	BY	DATE	 © Firetrol, Inc. Not for construction. Subject to change without notice.	RELEASED		-	-	CIR	CIR	11-12-19
	DRAWN BY	CIR	11-12-19	REVISION DESCRIPTION		REV	ECN NO	BY	APP	DATE		
	FINAL APPROVAL	CIR	11-12-19	FIELD CONNECTIONS		FTA740		DRAWING NUMBER				
	SINGLE PHASE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

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MARK^{III} 1Ø Limited Service Electric Fire Pump Controllers – Across The Line Starting

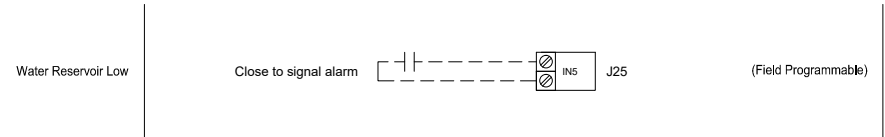
Control Terminals (EB1)

Terminals Wire Size:
24 - 12 AWG
0.5 Nm



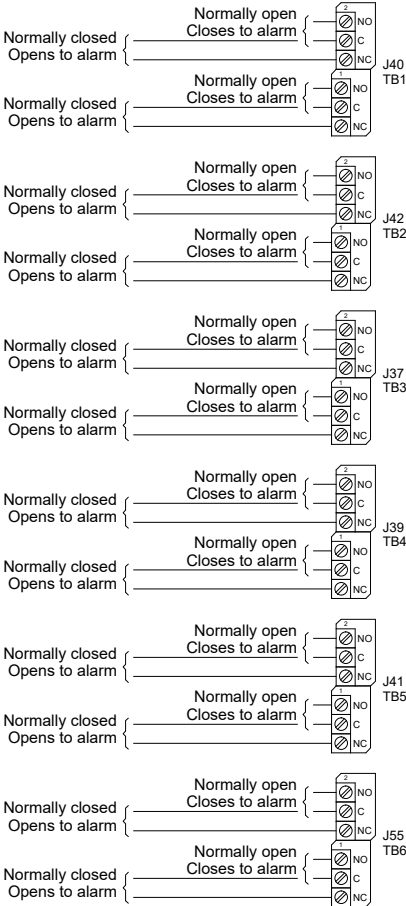
Alarm Inputs (EB1)

Terminals Wire Size:
24 - 12 AWG
0.5 Nm



Remote Alarm Terminals (EB1)

Terminals Wire Size:
24 - 12 AWG
0.5 Nm





Network Connection (VMB1)

Shielded Female Connector RJ45



* 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.

<div></div> <div>THIRD ANGLE PROJECTION</div>	SIZE	A	BY	DATE	<div> Firetrol, Inc.</div> <div>© Firetrol, Inc. Not for construction. Subject to change without notice.</div>	RELEASED		-	-	CIR	CIR	11-12-19
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	FINAL APPROVAL	CIR	11-12-19	FIELD CONNECTIONS		FTA740		DRAWING NUMBER				
	SINGLE PHASE LIMITED SERVICE FIRE PUMP CONTROLLER		FC740-71									
		DWG REV -		ECN NO -		SHEET 1 OF 1						

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