FFL800EP

CONTROLLER FOR ELECTRIC FIRE PUMPS IN ACCORDANCE WITH EN12845, POWER SUPPLY 24VAC/110…240VAC, BUILT-IN RS485, EXPANDABLE WITH EXP... EXPANSION MODULES

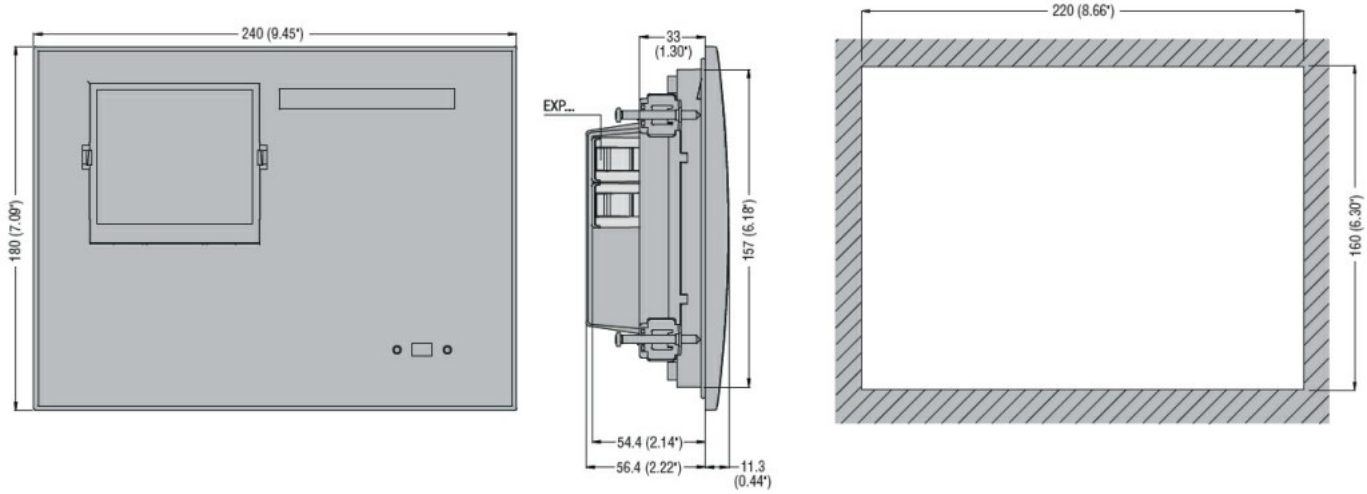


Product designation			Electric fire pump controller, supply 24VAC or 100-240VAC, built-in RS485, expandable with EXP.. Modules
Product type designation			FFL…EP
Auxiliary supply			
Rated auxil. supply voltage			24VAC/110...240VA
Operating auxil. supply voltage range			19.2…28.8VAC / 90…264VAC
Operating frequency range		Hz	45…66Hz
Voltage inputs			
Rated voltage Us			
	min	VAC	100
	Max	VAC	600
Measurement range		V	100…720
Frequency range		Hz	45...66
NTC probe input			
Sensor type			NTC (LOVATO code NTC01)
Measuring range		°C	-40...+85
Maximum connection lenght		mt	3m
Digital inputs			
Number of digital input		Nr.	8
Digital input type			Negative
Digital input current		mA	≤6
High digital input signal		V	≥4.9V (typical 3.8V)
Low digital input signal		V	≤1.25V (typical 2.3V)
Digital input signal delay		ms	≥50
Current inputs			
Rated current (Ie)		A	/1A or /5A
Relay outputs			
Number of relay output		Nr.	9
Mechanical endurance			10^7
Electrical endurance			10^5
Static Outputs			
Number of static output			1 (OUT10)
Static output type			NO
Operating voltage		V	10...30VDC
Maximum current		mA	50mA
RS485 serial interface			
Interface type			Isolated RS485 serial interface
Baud rate		bps	1200...115200

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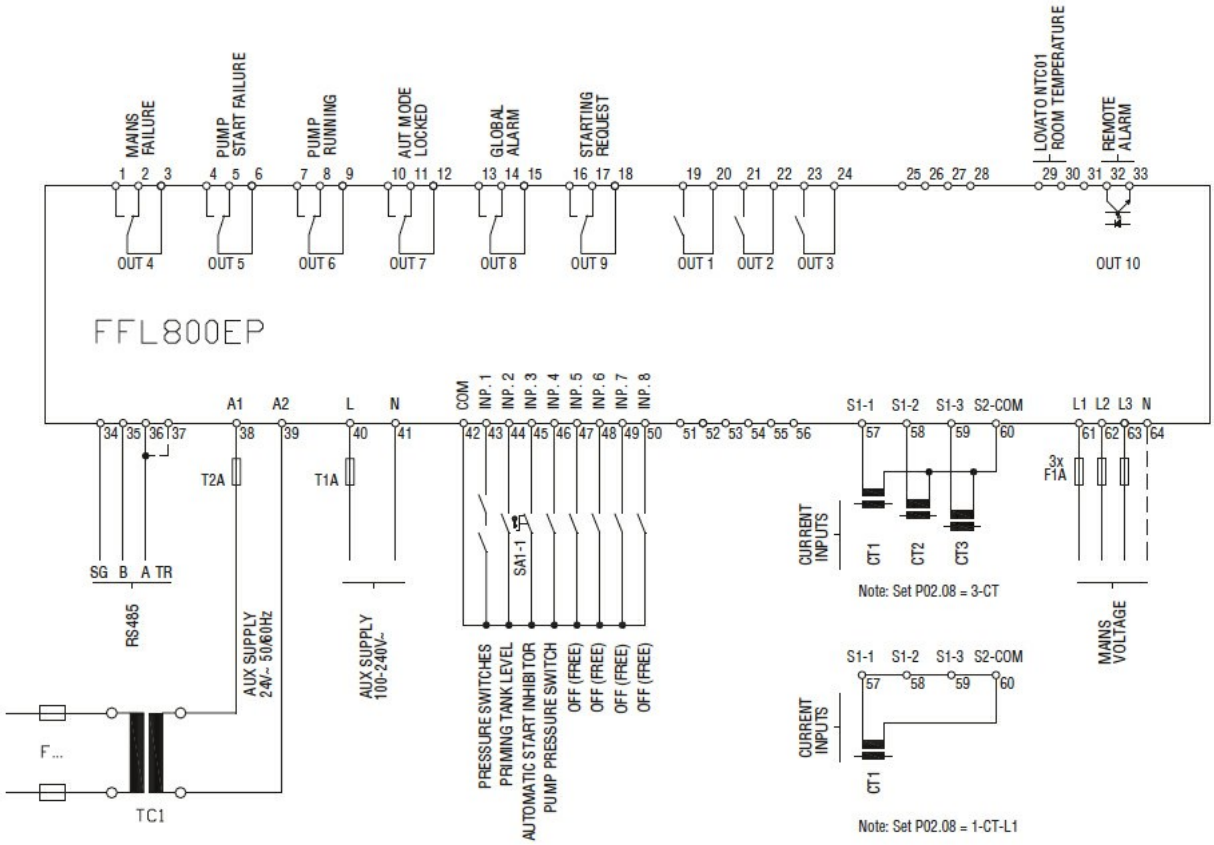
Insulation voltage (RS485-Vbatt)				1kVDC
Connections				
Type of terminal				Removable screw-type
Conductor cross section				
	AWG/Kcmil			
		min	AWG	24
		Max	AWG	12
	IEC			
		min	mm²	0.2
		Max	mm²	2.5
Tightening torque for terminals				
		max	Nm	0.56
		max	lbin	5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+70
	Storage temperature			
		min	°C	-30
		max	°C	+80
Relative humidity			%	<80% (IEC/EN 60068-2-78)
Housing				
Execution				Flush-mount
Material				Polycarbonate
Degree of protection				IP65 Frontal; IP20 on terminals
Dimensions (W x H x D)			mm	240 x 180 x 43.9
Weight			g	980

Dimensions



Wiring diagrams

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Certifications and compliance

Compliance

	IEC/EN 61000-6-2
	IEC/EN 61000-6-4
	IEC/EN 61010-1
	IEC/EN 61010-2-030
	UNI EN 12845

Certificates

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ETIM classification

ETIM 8.0	EC002685 - Central fire alarm control panel

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