



Electric fire pump controller, supply 24VAC or 100-240VAC, built-in RS485, expandable with EXP.. Modules FFL...EP

Product designation

Product type designation

Auxiliary supply			
Rated auxil. supply voltage			24VAC/110...240V ^A
Operating auxil. supply voltage range			19.2...28.8VAC / 90...264VAC
Operating frequency range	Hz		45...66Hz
Voltage inputs			
Rated voltage U _s			
	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 length		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 (I _e)		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

Insulation voltage (RS485-Vbatt)	1kVDC
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Connections

Type of terminal	Removable screw-type
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Conductor cross section	AWG/Kcmil	min	AWG	24
		Max	AWG	12
	IEC	min	mm ²	0.2
		Max	mm ²	2.5

Tightening torque for terminals	max	Nm	0.56
	max	lbin	5

Ambient conditions

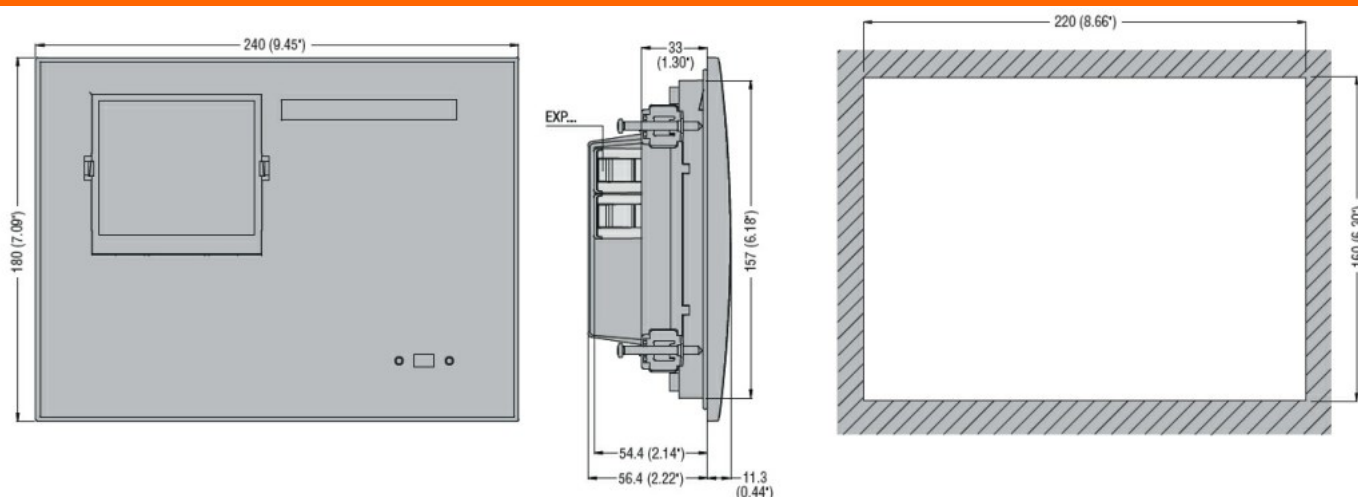
Temperature	Operating temperature	min	°C	-25
		max	°C	+70
	Storage temperature	min	°C	-30
		max	°C	+80

Relative humidity	%	<80% (IEC/EN 60068-2-78)
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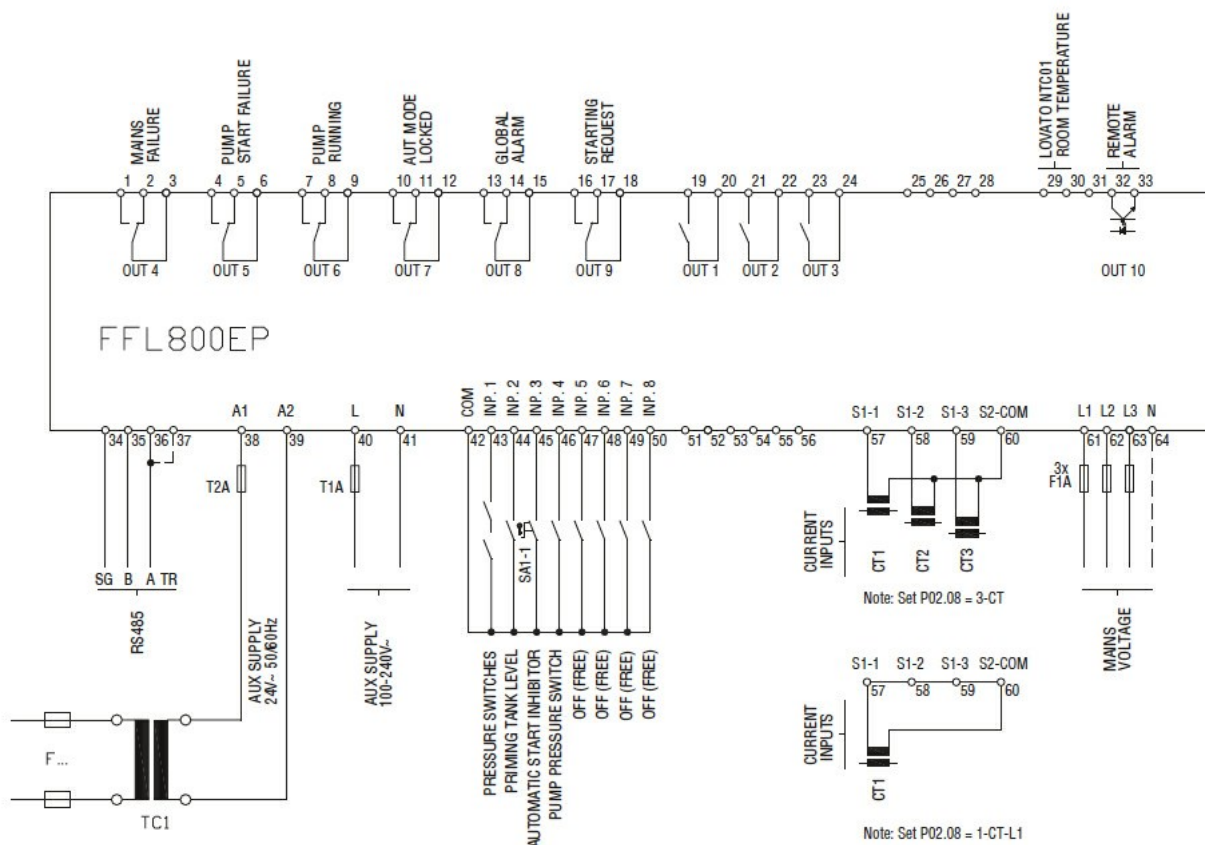
Housing

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



Certifications and compliance

Compliance

IEC/EN 61000-6-2

IEC/EN 61000-6-3

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