



Electric fire pump controller, supply 24VAC, built-in RS485, not expandable FFL...EP

## Product designation

## Product type designation

### Auxiliary supply

Rated auxil. supply voltage	24VAC
Operating auxil. supply voltage range	19.2...28.8VAC
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
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### Relay outputs

Number of relay output	Nr. 7
Mechanical endurance	10 <sup>7</sup>
Electrical endurance	10 <sup>5</sup>

### 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

## Connections

Type of terminal	Removable screw-type		
Conductor cross section	AWG/Kcmil		
	min	AWG	24
	Max	AWG	12
	IEC		
	min	mm <sup>2</sup>	0.2
	Max	mm <sup>2</sup>	2.5
Tightening torque for terminals	max	Nm	0.56
	max	lbin	5

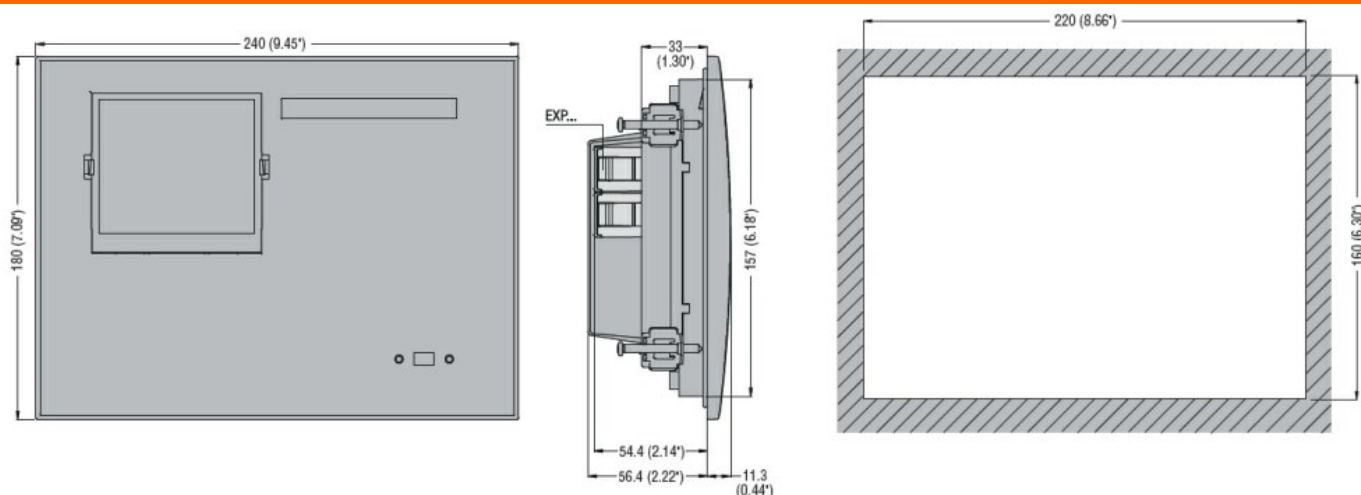
## Ambient conditions

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)

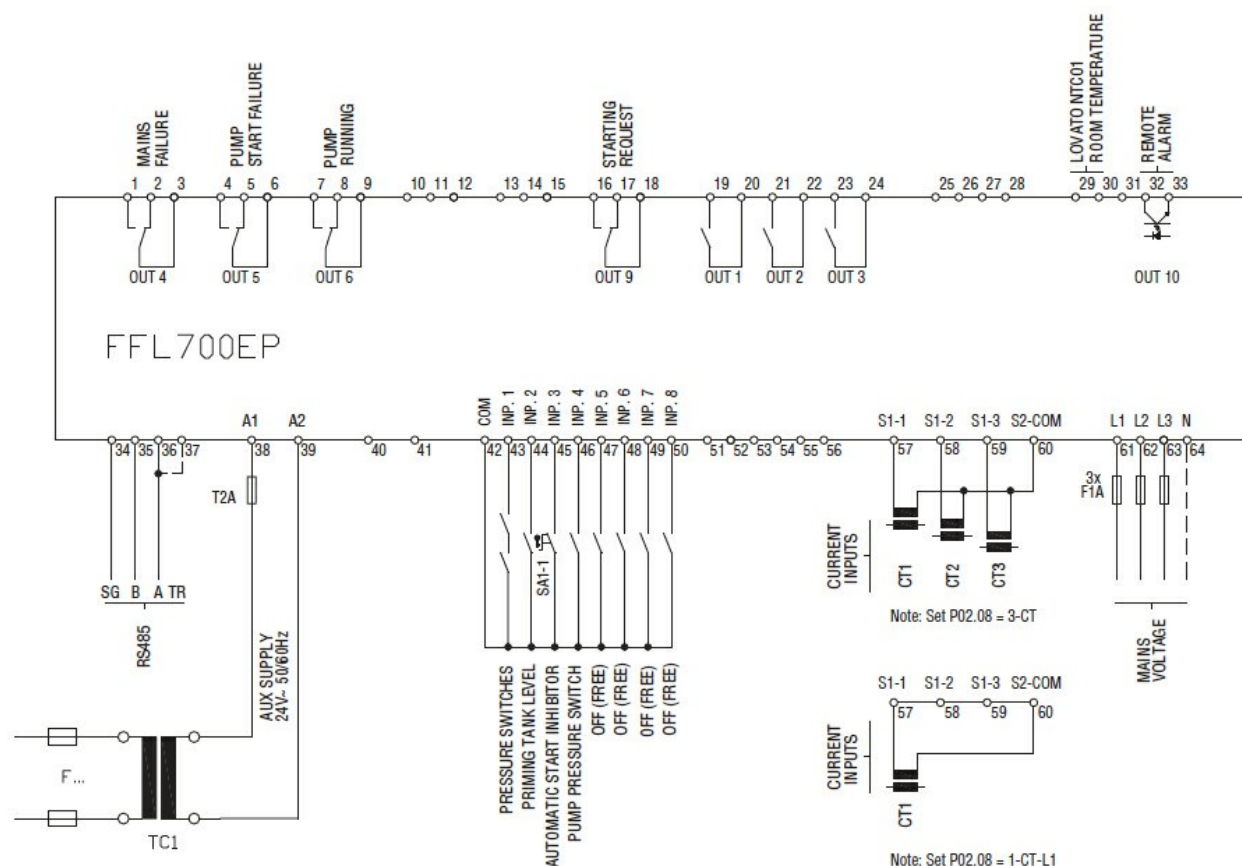
## Housing

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



## 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