

CONTROLLER FOR DIESEL ENGINE FIRE PUMPS IN ACCORDANCE WITH EN12845, POWER SUPPLY 12/24VDC, BUILT-IN RS485, EXPANDABLE WITH EXP... EXPANSION MODULES



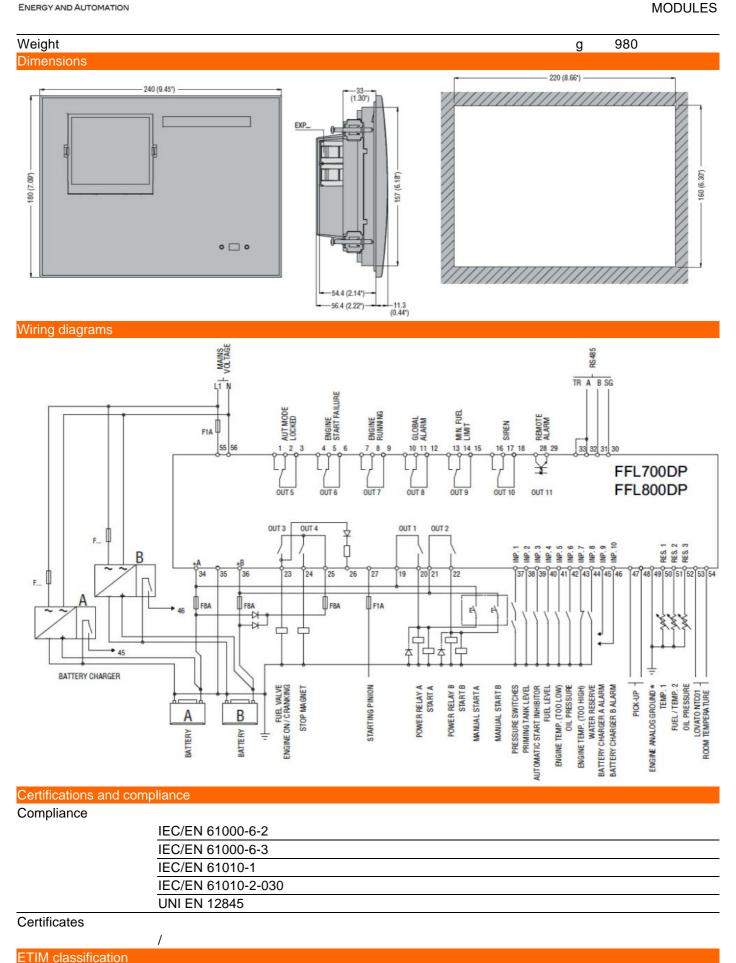
Product designation Product type designation			Diesel engine fire pump controller, supply 12- 24VDC, built-in RS485, expandable with EXP modules FFLDP
Auxiliary supply			
Rated auxil. supply voltage			12/24VDC
Operating auxil. supply voltage range			7.533VDC
Voltage inputs			
Rated voltage Us			
ratod voltago co	min	VAC	100
	Max	VAC	250
Macaurament range	IVIAA	VAC	50264
Measurement range			
Frequency range		Hz	4565
Engine running input (D+) for pre-excited alternator			
Operating range		VDC	033VDC
Maximum input current		mA	0.5mA
Max voltage at D+ terminal		VDC	12 or 24 VDC (battery voltage)
Pre-excitation current			210mA at 12VDC / 130mA at 24VDC
Engine speed input (pick-up/W input)			
Input type			AC coupling
Minimum reading frequency voltage			
	High sensitivity		≥2.8Vpp (1Vrms) at 40Hz ≥10Vpp (3.5Vrms) at 20000Hz ≥3.7Vpp
	Low sensitivity		(1.3Vrms) at 40Hz ≥7Vpp (2.5Vrms) at 2000Hz
Mearusing input impedance			> 100kΩ
Max iput voltage			84Vpp (30Vrms)
Pinion input			0+vph (20viiii2)
•			
Voltage range			0 331/DC
Voltage range			033VDC
Input current			≤8mA
Input current Threshold			≤8mA adjustable
Input current Threshold Input delay			≤8mA
Input current Threshold			≤8mA adjustable adjustable
Input current Threshold Input delay			≤8mA adjustable



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Macausing yangs		°C	40 .05
Measuring range			-40+85
Maximum connection lenght Digital inputs		mt	3m
Number of digital input		Nr.	10
Digital input type		INI.	Negative
Digital input current		mA	<u>≤6</u>
High digital input signal		V	≥4.9V (typical 3.8V)
Low digital input signal		V	≤1.25V (typical 1.9V)
Digital input signal delay		ms	≥50
Relay outputs			
Number of relay output		Nr.	10
Mechanical endurance			107
Electrical endurance			10⁵
Static Outputs			
Number of static output			1 (OUT11)
Static output type			NO
Operating voltage		V	1030VDC
Maximum current		mA	50mA
RS485 serial interface			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Interface type			Isolated RS485 serial interface
Baud rate		bps	1200115200
Insulation voltage (RS485-Vbatt)		bps	1kVDC
Connections			TRVBO
			Removable
Type of terminal			screw-type
Conductor cross section			
AWG/Kcmil			
	min	AWG	24
-	Max	AWG	12
IEC		2	2.2
	min	mm²	0.2
Tightoning to green for to recipal	Max	mm²	2.5
Tightening torque for terminals	may	Nm	0.56
	max max	Ibin	5
Ambient conditions	Παλ	IDIII	3
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

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FFL800DP

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ETIM 8.0

EC002685 -Central fire alarm control panel