Product designation			Remote alarm panel with LCD display and buzzer, built-in RS485, for up to 3 fire pump controllers, expandable with EXP... modules
Product type designation			FFLRA400

Auxiliary supply			
Rated auxil. supply voltage			100…240VAC
Operating auxil. supply voltage range			90…264VAC
Operating frequency range		Hz	47…63Hz
Battery circuit			
	Battery rated voltage	VDC	12
	Charging voltage	VDC	13.6
	Battery type		"12V 2A Pb GEL or AGM Yuasa NP2.3-12, Fiamm FGV20201 or equivalent (battery not supplied with FFLRA400)"
	Battery dimensions	mm	178 x 34 x 65
RA communication input			
	Input type		From specific RA output present on Lovato FFL...EP/DP controllers
	Input voltage	VDC	12
	Input current	mA	≤8
	Cable type		Twisted-pair, min. cross section 0.5mm2
	Max cable length	m	1000

Digital inputs			
Number of digital input		Nr.	6 (5 programmable)
Digital input type			Negative
Digital input current		mA	≤8
High digital input signal		V	≥3.4
Low digital input signal		V	≤2.2
Digital input signal delay		ms	≥50

Relay outputs			

Number of relay output		Nr.	3
Mechanical endurance			10^7
Electrical endurance			10^5
Insulations			
Supply			
Rated insulation voltage		VAC	250
Type of insulation			Double
Power frequency withstand voltage		kV	3
Connections			
Type of terminal			Screw
Conductor cross section			
AWG/Kcmil			
	min	AWG	Supply: 12AWG RA input: 20AWG
	Max	AWG	Supply: 8AWG RA input: 10AWG
IEC			
	min	mm²	Supply: 2.5mm2 RA input: 0.2mm2
	Max	mm²	Supply: 16mm2 RA input: 6mm2
Tightening torque for terminals			
	max	Nm	0.5
	max	Ibin	4.4
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-25
	max	°C	+50
Storage temperature			
	min	°C	-30
	max	°C	+80
Relative humidity		%	<80% (IEC/EN 60068-2-78)
Housing			
Execution			Wall mounting
Material			ABS
Degree of protection			IP40
Dimensions (W x H x D)		mm	220 x 287 x 187
Weight		g	2460g (without battery)
Dimensions			
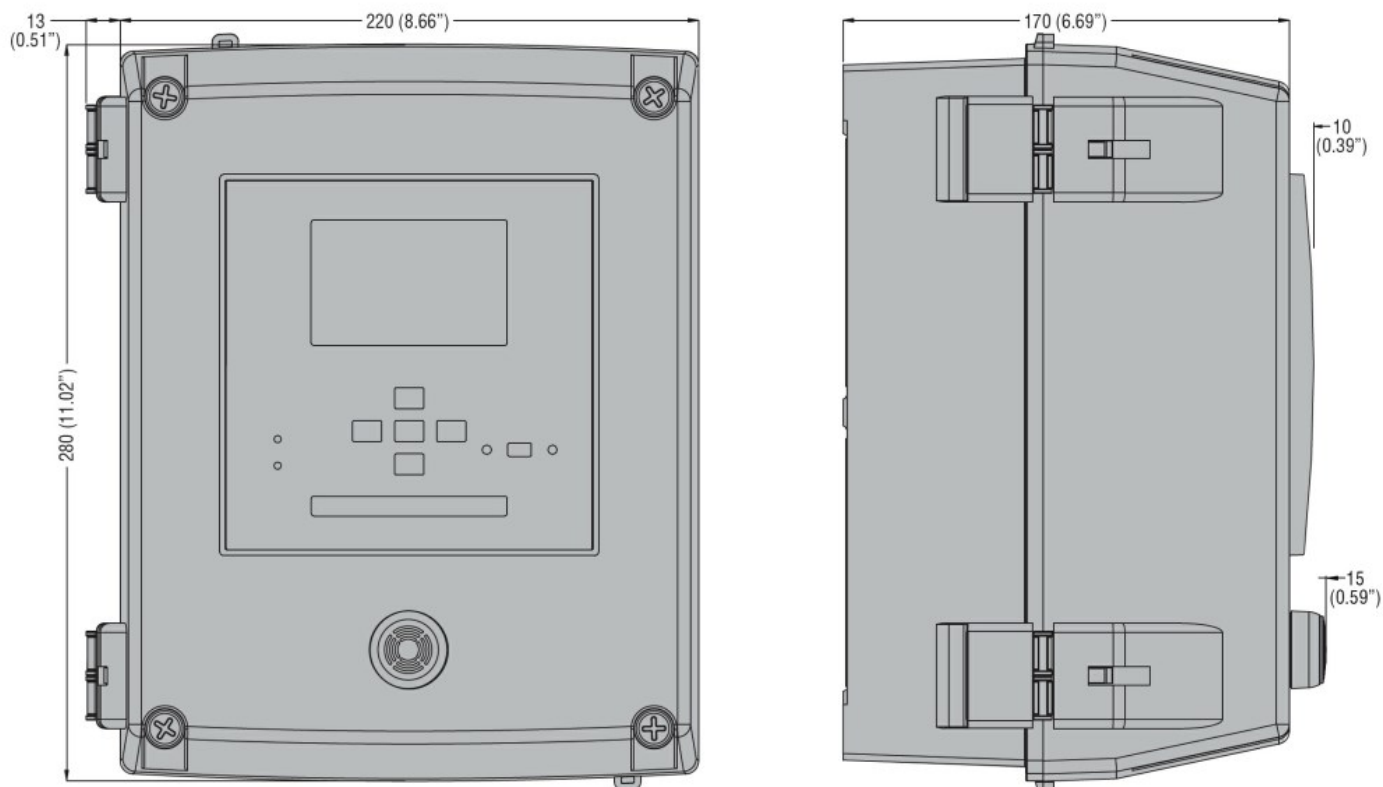
Wiring diagrams
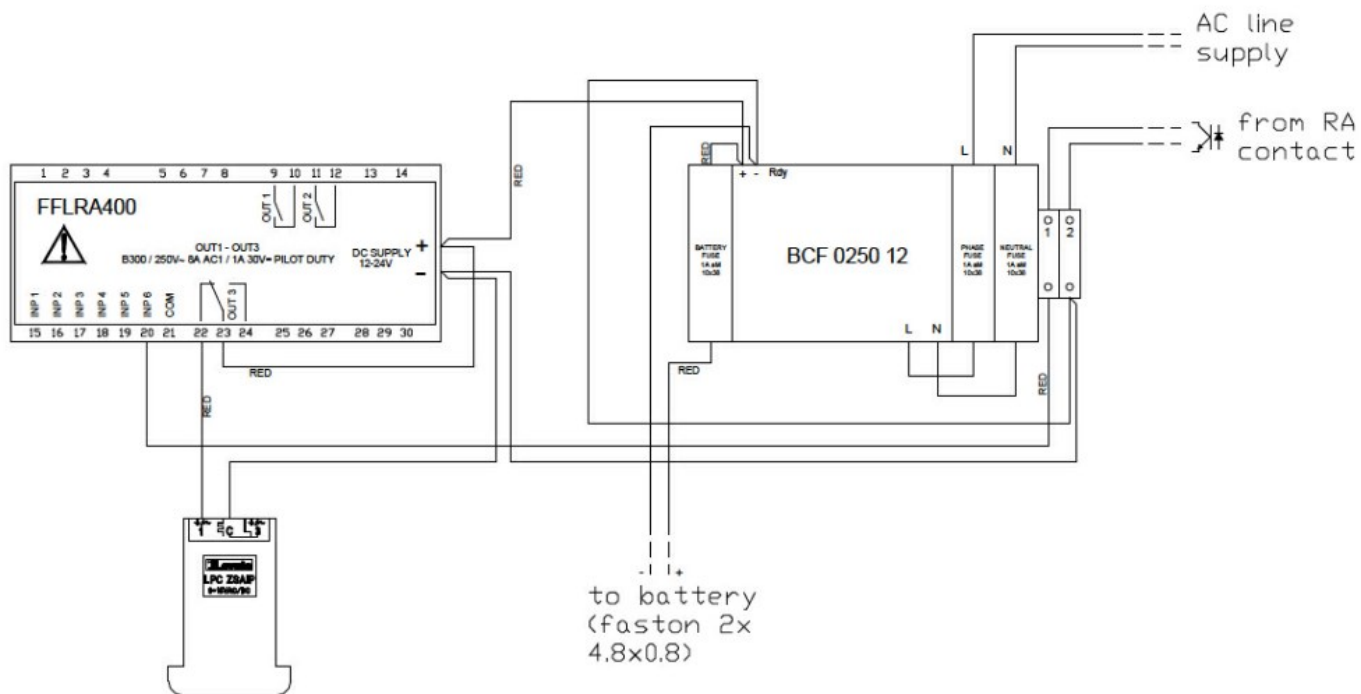
Certifications and compliance

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