



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 0.5mm ²
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

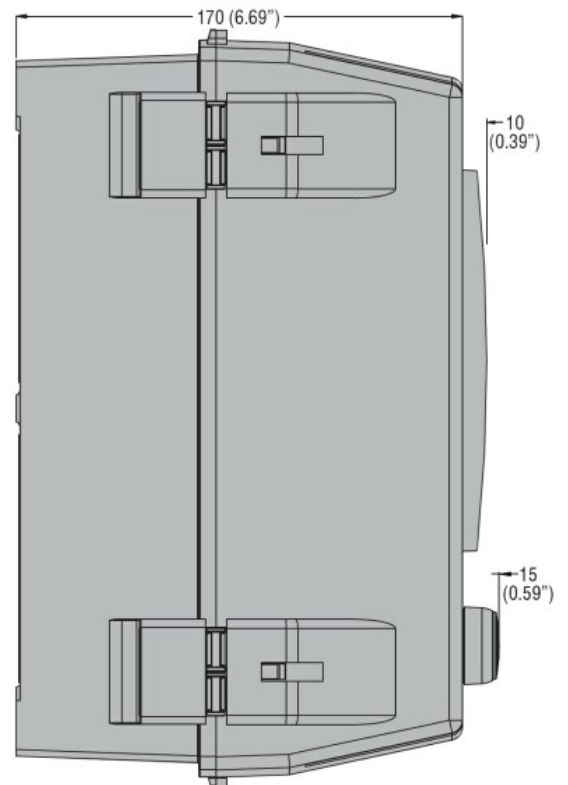
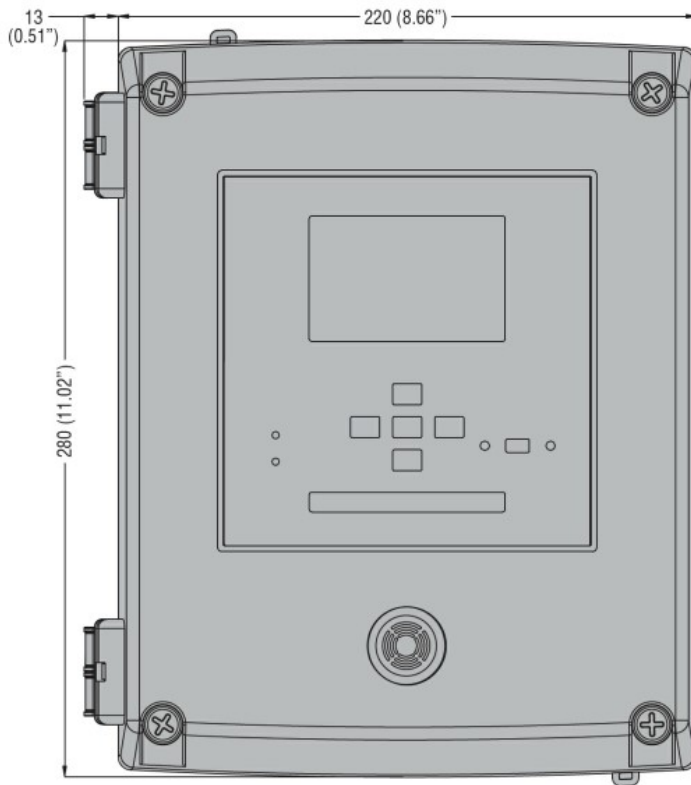
Insulations

Supply

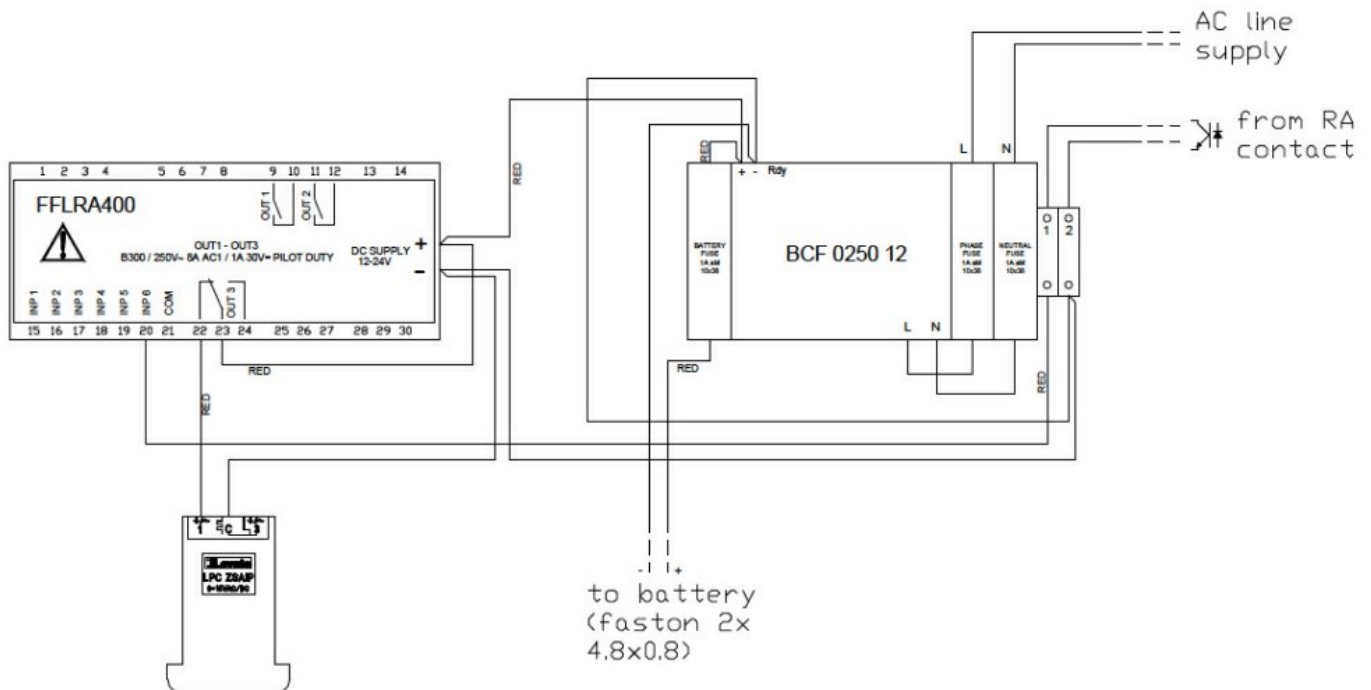
Rated insulation voltage	VAC	250
Type of insulation		Double
Power frequency withstand voltage	kV	3

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	lbin	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