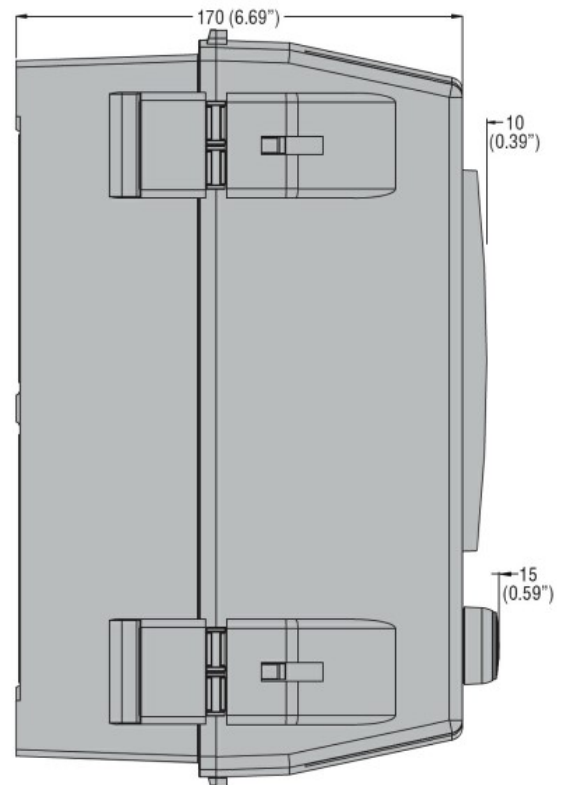
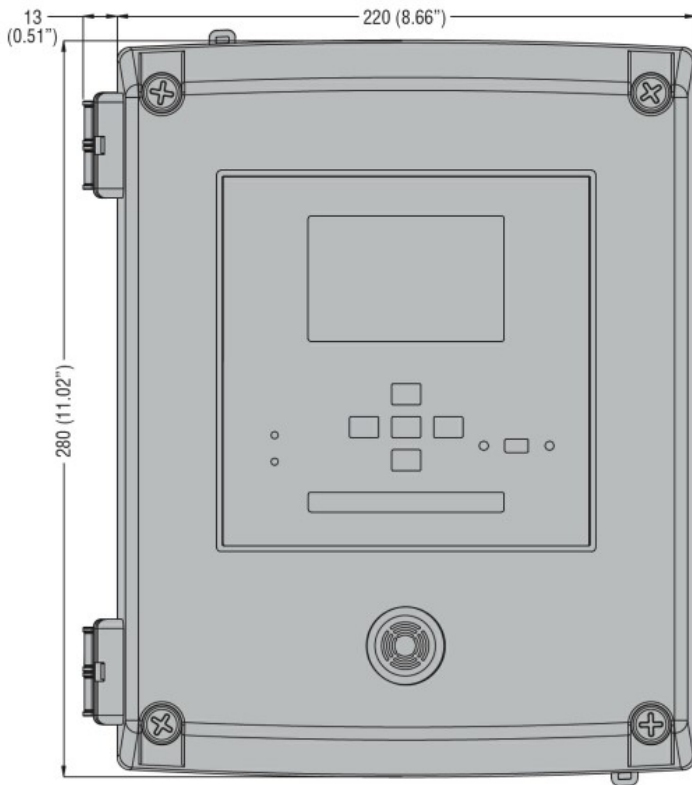


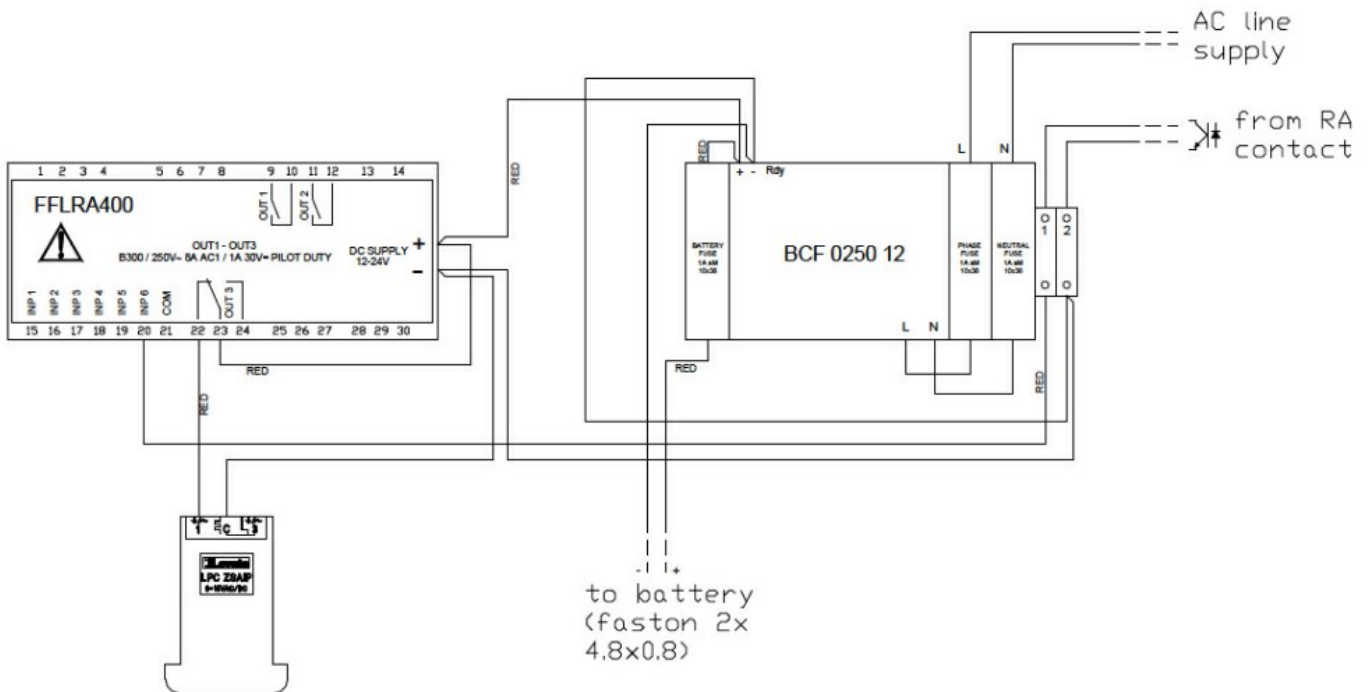


Auxiliary supply			
Rated auxil. supply voltage			100...240VAC
Operating auxil. supply voltage range			90...264VAC
Operating frequency range		Hz	47...63Hz
Battery circuit			
	Battery rated voltage	VDC	12
	Charging voltage	VDC	13.6
	Battery type		"12V 2A Pb GEL or AGM Yuasa NP2.3-12, Fiamm FGV20201 or 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	mm ²	Supply: 2.5mm ² RA input: 0.2mm ²
	Max	mm ²	Supply: 16mm ² RA input: 6mm ²
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

ETIM classification

ETIM 8.0

EC002685 -
Central fire alarm
control panel