

Project:	
Customer:	
Engineer:	
Pump Manufacturer:	

Technical Data Submittal Document

Model LFY

Wye-Delta Open Electric Fire Pump Controller Built to LPS1237



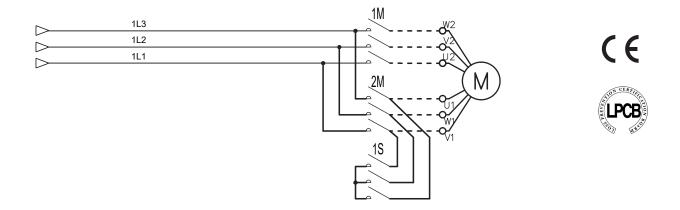
Contents:

Data Sheets Dimensional Data Wiring Schematics Field Connections





Model LFY Electric Fire Pump Controller



Standard	Built to LPCB - LPS1237			
& Certification	CE Mark: Various EN, IEC & CEE directives and standards			
	Protection Rating			
	Standard: IP55			
	Optionnal	ptionnal		
	IP55 304 stainless steel painted	IP55 304 stainless steel brushed finish		
Enclosure	IP55 316 stainless steel painted	IP55 316 stainless steel brushed finish		
	Accessories • Bottom entry gland plate • Special tool ¼ turn locks	Paint Specifications • Red RAL3002 • Powder coating • Glossy textured finish		
Ambient Temperature Rating	Standard: 0°C to 50°C / 32°F to 122°F			
Disconnecting Means	Three (3) pole fused disconnect switch complete with rotary door handle Door interlocked in the ON position			
Electrical Reading	Amperage indicator at L1			
Terminals to Connect Starting Devices	Provision to connect four (4) pressure switches (by others)			
Operador Interface	Push buttons Emergency start (lockable cover) Stop / Reset Lamp Test			
Visual Alarms	Pilot light AC supply healthy Pump running Pump on demand Start failure Ammeter			



Model LFY Electric Fire Pump Controller

Remote Alarm Contact	Pump on demand (SPDT) Pump running (SPDT) AC supply failure (SPDT) Start failure (SPDT)		
	Automatic Start	Start on pressure drop	
Operation	Manual Start	Emergency Start pushbutton	
	Stopping	Manual Stop pushbutton	

400V / 3ph / 50hz	Approximate Dimensions (mm)
5.5 KW - 22 KW	500 x 500 x 210
30 KW - 75 KW	600 x 600 x 210
90 KW - 110 KW	800 x 800 x 210
132 KW - 250 KW	800 x 1000 x 300

Options		
☐ I10	Duty / Standby	
☐ I11	Run period timer	
☐ I12	Start delay	

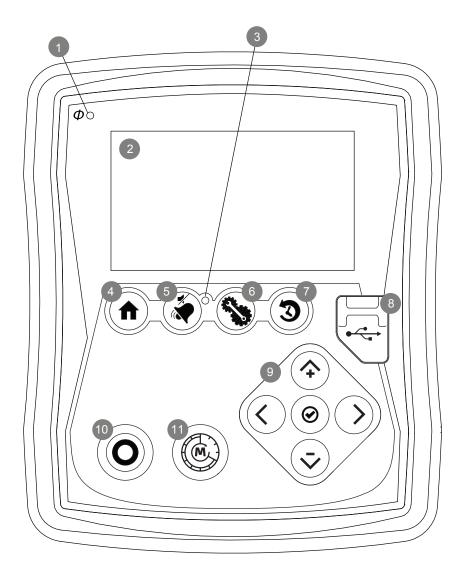
Note: Options chosen from this page are not electrically represented on the wiring schematics in this submittal package.



Model LFY Electric Fire Pump Controller

ViZiTouch Light Operator Interface



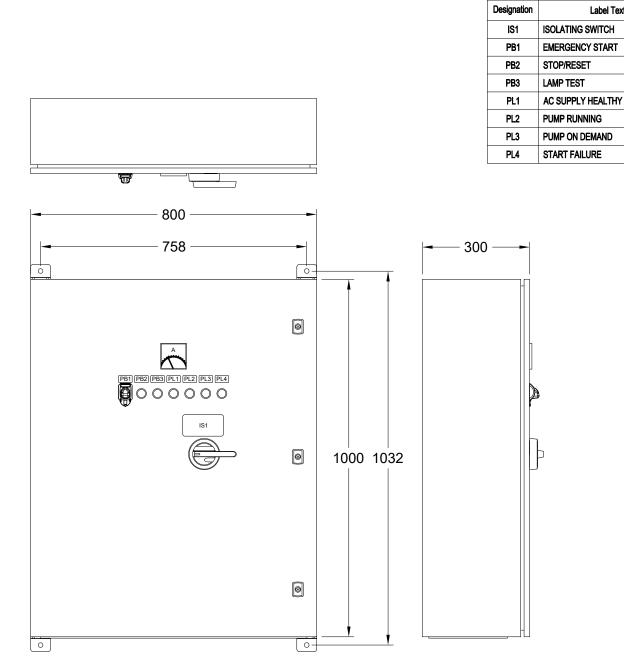


- 1 Power on LED
- 2 Color touch screen
- 3 Alarm LED
- 4 HOME page button
- 5 ALARM page button
- 6 CONFIGURATION page button
- 7 HISTORY page button
- 8 USB port
- 9 START button
- 9 Contextual navigation pad
- 10 STOP button*
- 11 RUN TEST button

Dimensions

Built to the latest edition of the LPS 1237

Label Text



Notes:

- IP55 assembly
- All dimensions are in millimeters
- Paint: textured red RAL 3002
 Bottom conduit entrance through removable gland plate recommended
- Use watertight conduit and connector only
- Protect equipment against drilling chips
- Ambient temperature : between 4°C and 40°C
- Controller weight: approximately 20 Kg
- Shipping weight: approximately 35 Kg

Voltage / Power Table		
Voltage Min kW Max kW		
400	132	250

Drawing for information only.

Manufacturer reserves the right to modify this drawing without notice

Contact manufacturer for "As Built" drawing.



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REV.	DESCRIPTION	DD/MM/YY	
2	General revision	07/12/16	
3	General revision	29/08/17	
4	Revised logo	18/06/18	



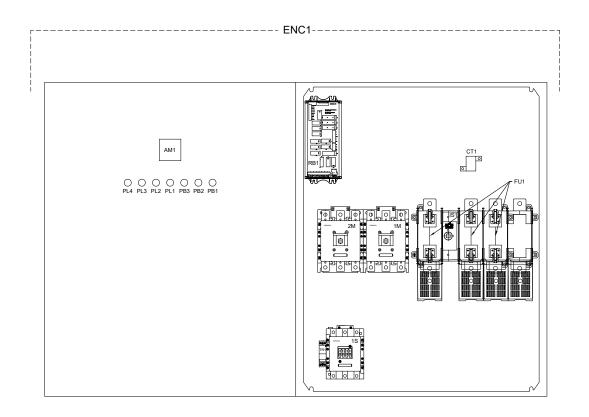
Projection

LFY-DI004 /E

Internal Layout

Built to the latest edition of the LPS 1237

Designation	Description	
1M-2M-1S	WYE Delta Contactors	
AM1	Ammeter	
CT1	Current Transformer	
ENC1	Enclosure	
FU1	Fuses	
IS1	Isolating Switch	
PB1	Green Push-Button	
PB2	Red Push-Button	
PB3	Black Push-Button	
PL4	Red Pilot Light	
PL1-PL2-PL3	Green Pilot Lights	
RB1	LFX Board	



Voltage / Power Table			
Voltage Min kW Max kW			
400	132	250	

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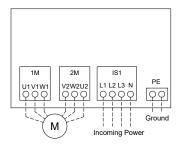


REV.	DESCRIPTION	DD/MM/YY	Drawing number
0	First issue	07/12/16	
1	General revision	29/08/17	LFY-LY004 /E
2	Revised logo	18/06/18	

Field Connections

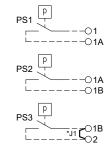
Normal Power Connections

kW	IS1 (mm2)	1M-2M (mm2)
5.5 - 11	6 - 70	2.5 - 4
15 - 22	6 - 70	2.5 - 10
30 - 45	6 - 70	2.5 - 35
55 - 75	6 - 70	6 - 50
90 - 200	M10	25 - 120
250	M12	25 - 120



Field Connections

Terminals Wire Size: 0.5 - 2.5 mm2 0.5 Nm



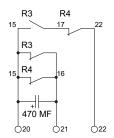
Flow Pressure Switch

Starting Pressure Switches

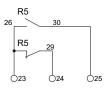


Alarm Contacts

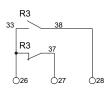
Terminals Wire Size: 0.5 - 2.5 mm2 0.5 Nm



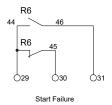
Pump On Demand



Pump Running



AC Supply Failure



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