

Mercury ProWire Pre-Wired Power System

Precision factory wired for system power, lock control, RS-485 communication, power system faults, and tamper switch. Mercury ProWire solutions are ready-to-install, simplifying and standardizing access installations across the enterprise.

[Mercury Overview](#) / [Wiring Guide](#) / [Wiring Examples](#) / [ProWire Family Guide](#) / [Mercury ProWire Benefits](#)



{jatabs type="content" position="top" width="650" heightTabs="30" height="1550" mousetype="click" animType="animMoveHor" skipAnim="false" duration=1000 } [tab title="Products"]

Four Door Wired	Enclosure	Outputs	W
System & Lock Power 2A/12V and 2A/24V 75 Watts Standard	FPO75-B100C4D8PE2M /	20H x 16W x 4.5D	
Networked	FPO75-B100M8PNL4E2M /	20H x 16W x 4.5D	8
Standard	FPO75-B100C4D8PE4M /	24H x 20W x 6.5D	4
Networked	FPO75-B100M8PNL4E4M /	24H x 20W x 6.5D	8

System Power 6A/12V or 3A/24V 75 Watts			
Standard	FPO75-C4D8PE2M /	20H x 16W x 4.5D	4 lock
Networked	FPO75-M8PNL4E2M /	20H x 16W x 4.5D	8 mana
Standard	FPO75-C4D8PE4M /	24H x 20W x 6.5D	4 lock
Networked	FPO75-M8PNL4E4M /	24H x 20W x 6.5D	8 mana
Eight Door Wired			
System & Lock Power 4A/12V and 4A/24V 150 Watts			
Standard	FPO150-B100C82D8PE4M /	24H x 20W x 6.5D	8 aux
Networked	FPO150-B1002D8PM8NL4E4M /	24H x 20W x 6.5D	8
Standard	FPO150-B100C82D8PE6M /	30H x 23W x 6.5D	8 aux
Networked	FPO150-B1002D8PM8NL4E6M /	30H x 23W x 6.5D	8
System Power 12A/12V or 6A/24V 150 Watts			
Standard	FPO150-C82D8PE4M /	24H x 20W x 6.5D	8 aux /
Networked	FPO150-2D8PM8NL4E4M /	24H x 20W x 6.5D	8 aux
Standard	FPO150-C82D8PE6M /	30H x 23W x 6.5D	8 aux /
Networked	FPO150-2D8PM8NL4E6M /	30H x 23W x 6.5D	8 aux

**Sixteen Door Wired
System & Lock Power**
Standard

| 12A/12V and 10A/24V | 400 Watts

[FPO150/250-2C83D8PE4M1 /](#)

24H x 20W x 6.5D

16 a

Networked

[FPO150/250-3D8P2M8NL4E4M1 /](#)

24H x 20W x 6.5D

Standard

[FPO150/250-2C83D8PE6M1 /](#)

30H x 23W x 6.5D

16 a

Networked

[FPO150/250-3D8P2M8NL4E6M1 /](#)

30H x 23W x 6.5D

Standard

[FPO150/250-2C83D8PE8M1 /](#)

36H x 30W x 6.5D

16 a

Networked

[FPO150/250-3D8P2M8NL4E8M1 /](#)

36H x 30W x 6.5D

Standard

[FPO150/250-2C83D8PE8M2 /](#)

36H x 30W x 6.5D

16 a

Networked

[FPO150/250-3D8P2M8NL4E8M2 /](#)

36H x 30W x 6.5D

System Power | 20A/12V or 10A/24V | 250 Watts

Standard

[FPO250-2C83D8PE4M1 /](#)

24H x 20W x 6.5D

16 au

Networked

[FPO250-3D8P2M8NL4E4M1 /](#)

24H x 20W x 6.5D

16 au

Standard

[FPO250-2C83D8PE6M1 /](#)

30H x 23W x 6.5D

16 au

Networked

[FPO250-3D8P2M8NL4E6M1 /](#)

30H x 23W x 6.5D

				16 aux
Standard	FPO250-2C83D8PE8M1 /	36H x 30W x 6.5D		16 aux
Networked	FPO250-3D8P2M8NL4E8M1 /	36H x 30W x 6.5D		16 aux
Standard	FPO250-2C83D8PE8M2 /	36H x 30W x 6.5D		16 aux
Networked	FPO250-3D8P2M8NL4E8M2 /	36H x 30W x 6.5D		16 aux

Rack Mount 4 Door Wired

System & Lock Power | 2A/12V and 2A/24V | 75 Watts

Standard	RGM75B-C8PZ /	R2U 19" Rack Drawer	8 lock
Networked	RGM75B-M8PNZ /	R2U 19" Rack Drawer	8 managed

Wire Management: T = Tie Wrap P = Panduit style wire duct

See family data sheet for Mercury wiring combinations

Standardized wiring eliminates the complexity, variability and time involved with field assembly and enables security installation companies to maintain a consistent quality standard across all access installations.

Unified Wired model numbers are pre-wired to Authentic Mercury Security terminal connectors for: System power, Lock power, RS-485 communication, Fault connections and tamper switch

Mercury wiring combinations: LP1502/MR52, LP2500/MR52, ALL/MR52

ProWire systems are joint LSP/Mercury/Lenel UL/CUL listed, 100% factory tested and dressed

with tie wrap or Panduit style wire duct cable management.

Features

- Four, eight and sixteen door configurations, single and dual voltage
- Standard and networked options
- Twisted pair color coded cable harnesses
- Tie wrap cable management with wire duct option on larger enclosures
- Final assembly carries a joint LSP/Mercury UL294, ULC S319 agency listing
- 120VAC or 230VAC options available (see datasheet for 230VAC ordering)

[/tab] [tab title="Overview"]

PRODUCT HIGHLIGHTS

LSP ProWire systems achieve the highest level of integration for access power by delivering

a pre-configured, pre-wired UL certified system.

Features

- Removable back plate simplifies job installation
- LSP power modules pre-wired
- Access controller terminal connections pre-wired
- Access panels mount on supplied threaded standoffs

Mechanical refinements

- Large enclosure depths to accommodate batteries
- 19 Gauge steel with textured black finish
- Board mounting hardware provided
- Lock and tamper switch standard

Reliability and Safety

- Lifetime Warranty
- RoHS Compliant

Agency Listings

- UL 294, ULC S318
- CE

Product Warranty

[/tab] [tab title="Technical Documents"]
 Mercury Security Unified Wired Systems

Models	Datasheet	Install Manual	CAD P
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Four Door	DS	IM	CAD	AG
Eight Door	DS	IM	CAD	AG
Sixteen Door	DS	IM	CAD	AG
Enclosures				
E2M	DS	IM	CAD	AG
E4M	DS	IM	CAD	AG
E4M1	DS	IM	CAD	AG
E6M	DS	IM	CAD	AG
E6M1	DS	IM	CAD	AG
E8M	DS	IM	CAD	AG
E8M1	DS	IM	CAD	AG
E8M2	DS	IM	CAD	AG

[/tab] [tab title="Support"]

Troubleshooting Guide FPO Troubleshooting Accessory Troubleshooting	Factory Contact Email Customer Service Email Technical Department	Business Contact Accounting Office Area Sales
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Representatives

[/tab] [tab title="Tools & Software"] **Tools & Software**

Excel spreadsheets designed by the LifeSafety Power technical department to aid the installer in required calculations and example configurations of LifeSafety Power equipment when used in commonly found system applications.

- Calculators / Software
- [B100 Power Calculator](#)
- [PowerCom-USB Download](#)
- [Ohms Law Calculator](#)
- [Battery Size Calculator](#)
- [Battery Capacity Calculator](#)

[Wire Size Calculator](#)

[Voltage Drop Calculator](#)

[FlexCalculator Suite](#)

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Application Notes

[AN26 Distribution options](#)

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