

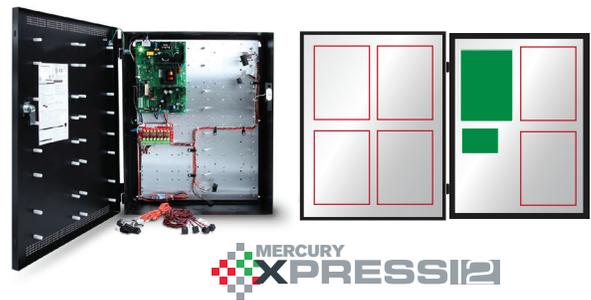
Overview

LifeSafety Power Single Voltage ProWire Xpress™ power systems offer integrators the highest level of value, performance and installation efficiency. Mercury models are factory wired for system power, RS485 communication, faults and tamper. Pre-installed standoffs simplify field installation of the Mercury controllers.

Enclosures are painted steel with removable backplate and include lock, two (2) keys and tamper switch.

Features | Benefits

- ◆ Mercury single voltage system power
 - 4DR: 12V@4A or 24V@3A
 - 12DR: 12V@10A
- ◆ Intelligent battery charger - protects battery
- ◆ Low battery cutoff - prevents deep discharge
- ◆ Integrated fire alarm disconnect
- ◆ OutSmart™ - Visual verification of output voltage setting
- ◆ LockSafe™ - Optimized voltages provide longterm lock protection
- ◆ Network ready with optional NetLink® communication module
 - Monitor AC line, power supply and battery performance
 - Perform remote servicing, auto-schedule battery load tests
- ◆ LSP/Mercury joint listings UL | ULC | CE | FCC
- ◆ Lifetime Warranty

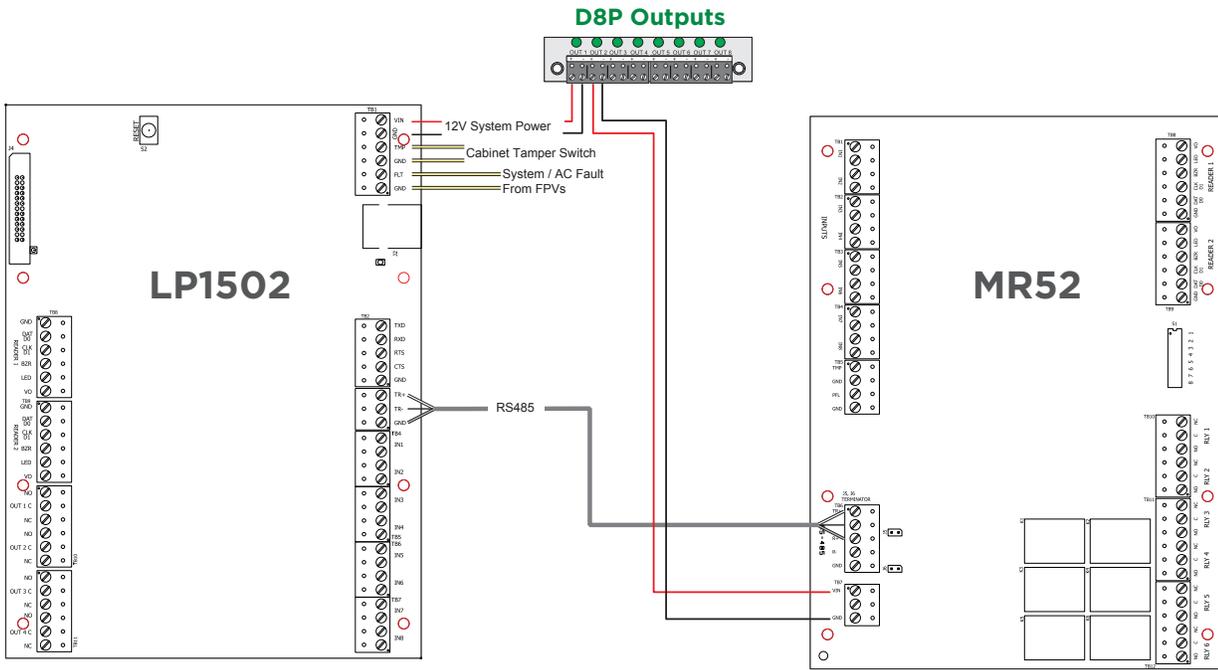


See page two for lock power supplies available with XPRESS

Product Specifications		4 Door	12 Door
Model Number		FPV4-E2M/T4X	FPV102-D8PE2M1/T12X
Input Power	120/230 VAC 50/60 Hz ±10%	1.8A	5.7A
	Overload and short circuit protection	√	√
Output Power	Power supply	FPV4	FPV102
	Voltage/Current	12V@4A or 24V@3A	12V@10A*
	System efficiency	83%	89%
	BTU rating	34 BTU	55 BTU
	Duty cycle	Continuous	Continuous
	Distribution outputs	1	8
Battery Charging	Sealed lead acid or gel type batteries	0.7A charge rate	1.8A charge rate
	Recharges battery sets within UL limit	40Ah max	80Ah max
	Automatic switchover to standby battery when AC fails	√	√
	Zero transfer time when switching to battery backup	√	√
	Built-in low battery detect and cut off	√	√
Supervision	AC Fail (form "C" contacts)	√	√
	System fail (form "C" contacts) may be triggered by:	√	√
	• Low/no battery, short to earth ground	√	√
	• Power supply failure, blown fuse	√	√
Visual Indicators	AC input, DC output, Fire Alarm	√	√
	D8P module (12DR): DC output: Blue (24V) Green (12V)	√	√
Regulatory	UL294, ULC S319, FCC	√	√
	CSA C22.2 #1071, CSA 22.2 #60950, FCC Part 15, Subpart B	√	√
Mechanical	E2M, E2M1 Enclosures: 20H x 16W x 4.5D, 17 lbs	E2M Enclosure	E2M1 / Door Mount
XPRESS Wiring	Mercury LP1502 controller and MR52 reader modules	(1) 1502 (1) MR52	(1) 1502 (5) MR52

* 24V/10A version order FPV104-D8PE2M1/T12X

Wiring Guide



4 Door Wiring (12 Door Similar)

- Power to controllers
- RS485 communication
- Power supply fault
- Tamper switch



Mercury XPRESS Ordering

Model No.	Doors	Description	Enclosure
FPV4-E2M/T4X	4	Pre wired 12V@4A or 24V@3A, tie wrap	E2M: 20H X 16W X 4.5D
FPV102-D8PE2M1/T12X	12	Pre wired 12V@10A, 8 aux outputs, tie wrap	E2M1: 20H X 16W X 4.5D
FPV104-D8PE2M1/T12X	12	Pre wired 24V@10A, 8 aux outputs, tie wrap	E2M1: 20H X 16W X 4.5D

Optional Lock Power Supplies

FPV4-R8E1	4	3A/24V 8 lock control outputs	E1: 14H X 12W X 4.5D
FPV104-2R8E2	12	10A/24V 16 lock control outputs	E2: 20H X 16W X 4.5D



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Specifications subject to change without notice.

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