

Prepared. Precise. Rewired. LSP ProWire[®]



Pre-wired Access Power Products

Ready-to-install ProWire[®], pre-wired Unified Power solutions simplify and standardize access installations across the enterprise. Available standard, or networked for intelligent power monitoring, all ProWire systems feature quick-connect terminal strips for rapid, reliable installation; significantly reducing installation costs and errors.

ProWire systems streamline installation, operation, maintenance, and troubleshooting. Precision factory wiring of system power, lock relay power, system faults and panel communication are 100-percent factory pre-wired and tested. Preconfigured models are available in four-, eight- and sixteen-door combinations.

Plug and play - Pre-wired terminal strips, pre-installed standoffs and accompanying panel mounting hardware simplify final panel assembly.

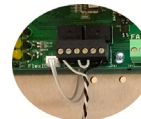
Precision assembly - Factory wiring harnesses connect to authentic panel connector terminals for a fast and reliable electrical connection.

Detailed documentation - Wiring CADs for system design and twisted-pair color-coded cable harnesses with termination connectors eliminate lock wiring complexity.

High performance - ProWire systems are factory built and tested to rigorous standards, with tie-wrap or optional wire-duct cable management provided.

Trusted UL/CUL - For guaranteed reliability and seamless operation, ProWire systems are agency certified as an integrated access power management system with control panels from leading access manufacturers.

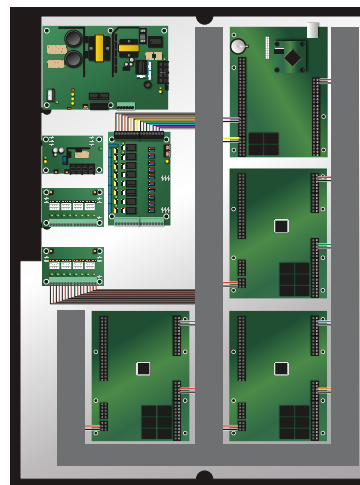
Wired points: system, lock, communication, faults



FAULT WIRING
 power supply system and ac faults



SYSTEM POWER
 class II power wired out to each access panel



tie wrap / wire duct options



LOCK POWER
 cable harness from C8, M8 lock control inputs to access panel relay outputs



RS-485 COMMUNICATION
 proper shielded, jacketed cable daisy chained throughout



TAMPER SWITCH

Mercury | ProWire® Configurations

Factory prewired for system power, lock power, communication, faults and tamper switch

Doors	Power/Outputs	Enclosure	Cabling	Base Model	*Wiring	Panel Layout			
4DR	12V/2A and 24V/2A Outputs: STD: 8 aux, 4 lock NET: 8 managed	E2M 20 x 16 x 4.5	Tie wrap	Standard	FPO75-B100C4D8PE2M /	T4-A T4-B T4-C			
				Networked	FPO75-B100M8PNL4E2M /				
		E4M 24 x 20 x 6.5		Standard	FPO75-B100C4D8PE4M /				
				Networked	FPO75-B100M8PNL4E4M /				
8DR	12V/4A and 24V/4A Outputs: STD: 16 aux, 8 lock NET: 16 aux, 8 mgd	E4M 24 x 20 x 6.5	Tie wrap	Standard	FPO150-B100C82D8PE4M /	T8-A T8-B T8-C			
				Networked	FPO150-B1002D8PM8NL4E4M /				
		E4M1 24 x 20 x 6.5		Standard	FPO150-B100C82D8PE4M1 /				
				Networked	FPO150-B1002D8PM8NL4E4M1 /				
		E6M 30 x 23 x 6.5	Panduit style	Standard	FPO150-B100C82D8PE6M /	P8-A P8-B P8-C			
				Networked	FPO150-B1002D8PM8NL4E6M /				
		16DR	12V/12A and 24V/10A Outputs: STD: 24 aux, 16 lock NET: 24 aux, 16 mgd	E4M1 24 x 20 x 6.5	Tie wrap	Standard	FPO150/250-2C83D8PE4M1 /	T16-A T16-B T16-C	
						Networked	FPO150/250-3D8P2M8NL4E4M1 /		
E6M1 30 x 23 x 6.5	Standard			FPO150/250-2C83D8PE6M1 /					
	Networked			FPO150/250-3D8P2M8NL4E6M1 /					
E8M1 36 x 30 x 6.5	Panduit style			Standard	FPO150/250-2C83D8PE8M1 /	P16-A P16-B P16-C			
				Networked	FPO150/250-3D8P2M8NL4E8M1 /				
E8M2 36 x 30 x 6.5	Panduit style			Standard	FPO150/250-2C83D8PE8M2 /				
				Networked	FPO150/250-3D8P2M8NL4E8M2 /				
E6M1 30 x 23 x 6.5	Panduit style			Standard	FPO150/250-2C83D8PE6M1 /				
				Networked	FPO150/250-3D8P2M8NL4E6M1 /				
E8M1 36 x 30 x 6.5	Panduit style			Standard	FPO150/250-2C83D8PE8M1 /				
				Networked	FPO150/250-3D8P2M8NL4E8M1 /				
E8M2 36 x 30 x 6.5	Panduit style	Standard	FPO150/250-2C83D8PE8M2 /						
		Networked	FPO150/250-3D8P2M8NL4E8M2 /						
4DR RM	12V/2A and 24V/2A Outputs: STD: 8 lock NET: 8 managed	Mercury GEMINI R2U RACK DRAWER	Tie wrap	Standard	RGM75B-C8PZ /	T4-A T4-B T4-C			
				Networked	RGM75B-M8PNZ /				

*Complete ProWire model number requires base model + wiring suffix (e.g., FPO150-B100C82D8PE6M/T8-A)
 Panduit option not available in smaller E2 / E4 enclosures

Controller Wiring Options (e.g. T8-A)

Wire Management

T = Tie wrap
 P = Panduit



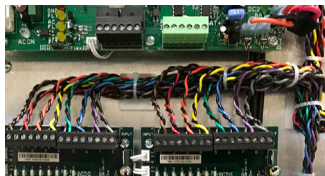
Door Count

4, 8, 16



Panel Wiring

A, B, C



Color coded lock wiring



Data sheets



Wiring Guide


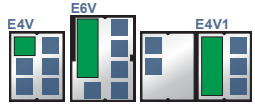
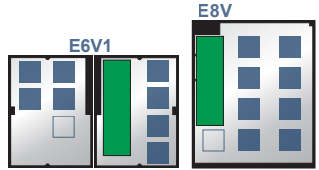



FPO150/250-3D8P2M8NL4 E8M2/P16-A

See ProWire data sheets / wiring guide for detailed specifications

HID | ProWire[®] Configurations

Factory prewired for system power, lock power, communication, faults and tamper switch

Doors	Power/Outputs	Enclosure	Cabling	Base Model	*Wiring	Panel Layout	
4DR	12V/2A and 24V/2A Outputs: STD: 8 aux, 4 lock NET: 8 managed	E2V 20 x 16 x 4.5	Tie wrap	Standard	FPO75-B100C4D8E2V /	T4-A T4-B	
				Networked	FPO75-B100M8NL4E2V /		
		E4V 24 x 20 x 6.5		Standard	FPO75-B100C4D8E4V /		
				Networked	FPO75-B100M8NL4E4V /		
8DR	12V/4A and 24V/4A Outputs: STD: 16 aux, 8 lock NET: 16 aux, 8 mgd	E4V1 24 x 20 x 6.5	Tie wrap	Standard	FPO150-B100C82D8E4V1 /	T4-A T4-B	
				Networked	FPO150-B1002D8M8NL4E4V1 /		
		E6V 30 x 23 x 6.5		Standard	FPO150-B100C82D8E6V /		
				Networked	FPO150-B1002D8M8NL4E6V /		
		E6V 30 x 23 x 6.5	Panduit style	Standard	FPO150-B100C82D8E6V /	P8-A P8-B	
				Networked	FPO150-B1002D8M8NL4E6V /		
16DR	12V/12A and 24V/10A Outputs: STD: 24 aux, 16 lock NET: 24 aux, 16 mgd	E6V1 36 x 30 x 6.5	Tie wrap	Standard	FPO150/250-2C83D8E6V1 /	T16-A T16-B	
				Networked	FPO150/250-3D82M8NL4E6V1 /		
		E8V 36 x 30 x 6.5		Standard	FPO150/250-2C83D8E8V /		
				Networked	FPO150/250-3D82M8NL4E8V /		
		E6V1 30 x 23 x 6.5	Panduit style	Standard	FPO150/250-2C83D8E6V1 /	P16-A P16-B	
				Networked	FPO150/250-3D82M8NL4E6V1 /		
		E8V 36 x 30 x 6.5		Standard	FPO150/250-2C83D8E8V /		
				Networked	FPO150/250-3D82M8NL4E8V /		
4DR RM	12V/2A and 24V/2A Outputs: STD: 8 lock NET: 8 managed	HID GEMINI R2U RACK DRAWER	Tie wrap	Standard	RGV75B-C8Z /	T4-A T4-B	
				Networked	RGV75B-M8NZ /		

*Complete ProWire model number requires base model + wiring suffix (e.g., FPO150-B100C82D8E6V/T8-A)
 Panduit option not available in smaller E2 / E4 enclosures

Controller Wiring Options (e.g. T8-A)

Wire Management

T = Tie wrap
 P = Panduit



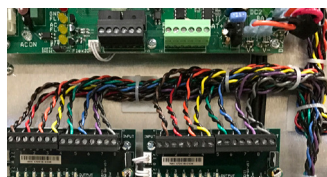
Door Count

4, 8, 16



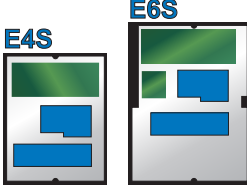
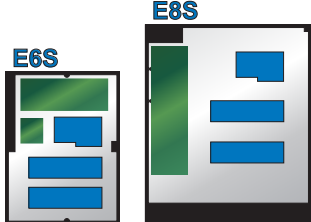

Panel Wiring

A, B,



Software House | ProWire[®] Configurations

Factory prewired for system power, lock power, communication, faults and tamper switch

Doors	Power/Outputs	Enclosure	Cabling	Base Model		*Wiring	Panel Layout
8DR	12V/6A and 24V/6A Outputs: STD: 8 aux, 8 lock NET: 8 aux, 8 mgd	E4S 24 x 20 x 6.5	Tie wrap	Standard	FPO75/150-C8D8E4S /	T8-A T8-B	
				Networked	FPO75/150-D8M8NL4E4S		
		E6S 30 x 23 x 6.5	Tie wrap	Standard	FPO75/150-C8D8E6S /	T8-A T8-B	
				Networked	FPO75/150-D8M8NL4E6S		
		E6S 30 x 23 x 6.5	Panduit style	Standard	FPO75/150-C8D8E6S /	P8-A P8-B	
				Networked	FPO75/150-D8M8NL4E6S		
16DR	12V/12A and 24V/10A Outputs: STD: 8 aux, 16 lock NET: 8 aux, 16 mgd	E6S 30 x 23 x 6.5	Tie wrap	Standard	FPO150/250-E6S /	T16-A	
				Networked	FPO150/250-NL4E6S /		
		E8S 36 x 30 x 6.5	Tie wrap	Standard	FPO150/250-2C82D8E8S /	T16-A T16-B	
				Networked	FPO150/250-2D82M8NL4E8S /		
		E8S 36 x 30 x 6.5	Panduit style	Standard	FPO150/250-2C82D8E8S /	P16-A P16-B	
				Networked	FPO150/250-2D82M8NL4E8S /		
8DR RM	12V/12A Outputs: STD: 8 lock STD: 8 aux, 8 lock 12V/4A & 24V/4A Outputs: STD: 8 aux, 8 lock NET: 8 managed	SWH GEMINI R2U RACK DRAWER	Tie wrap	Standard	RGS150-C8Z /	T8-C	
				Networked	RGS150-M8NZ /		
				Standard	RGS150B-C8D8Z /		
				Networked	RGS150B-M8NZ /		


*Complete ProWire model number requires base model + wiring suffix (e.g., FPO75/150-C8D8E4S/T8-A)
 Panduit option not available in smaller E4 enclosure


Controller Wiring Options (e.g. T8-A)


Wire Management
 T = Tie wrap
 P = Panduit

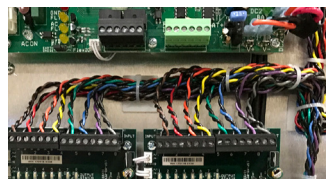
Door Count
 4, 8, 16

Panel Wiring
 A, B, C

A  ULTRA

B  ULTRA SE

C  ULTRA RM



Color coded lock wiring



Data sheets



Wiring Guide



16 door ProWire Panduit
 FPO150/250-2C82D8ES/P16-A

AMAG | ProWire[®] Configurations

Factory prewired for system power, lock power, communication, faults and tamper switch

Doors	Power/Outputs	Enclosure	Cabling	*Base Model	Wiring	Panel Layout		
8DR	12V/4A and 24V/4A Outputs: STD: 8 aux, 8 lock NET: 8 aux, 8 mgd	E4A 24 x 20 x 6.5	Tie wrap	Standard	FPO150-B100C8D8E4A /	T8-A T8-C		
				Networked	FPO150-B100D8M8NL4E4A /			
		E6A 30 x 23 x 6.5	Tie wrap	Standard	FPO150-B100C8D8E6A /	T8-A T8-C		
				Networked	FPO150-B100D8M8NL4E6A /			
E8A 36 x 30 x 6.5	Panduit style	Standard	FPO150-B100C8D8E6A /	P8-A P8-C				
		Networked	FPO150-B100D8M8NL4E6A /					
16DR	12V/12A and 24V/10A Outputs: STD: 8 aux, 16 lock NET: 8 aux, 16 mgd	E6A1 30 x 23 x 6.5	Tie wrap	Standard	FPO150/250-2C82D8E6A1 /	T16-A T16-C		
				Networked	FPO150/250-2D82M8NL4E6A1 /			
			Panduit style	Standard	FPO150/250-2C82D8E6A1 /			P16-A P16-C
				Networked	FPO150/250-2D82M8NL4E6A1 /			
		E8A 36 x 30 x 6.5	Tie wrap	Standard	FPO150/250-2C82D8E8A /	T16-A T16-C		
				Networked	FPO150/250-2D82M8NL4E8A /			
			Panduit style	Standard	FPO150/250-2C82D8E8A /	P16-A P16-C		
				Networked	FPO150/250-2D82M8NL4E8A /			
8DR RM	12V/12A Outputs: STD: 8 auxiliary NET: 8 auxiliary	RGA RACK DRAWER	Tie wrap	Standard	RGA150-D8Z /	T8-A		
				Networked	RGA150-D8NZ /			
	12V/4A & 24V/4A Outputs: STD: 8 FAI lock			Standard	RGA150B-F8Z /			
				Networked	RGA150B-NZ /			

*Complete ProWire model number requires base model plus a wiring suffix (e.g., FPO150-B100C8D8E6A/T8-A)
 Panduit option not available in smaller E4 enclosure

RGA network configuration does not have managed (M8) outputs due to drawer space limits

Controller Wiring Options (e.g. T8-A)

Wire Management
 T = Tie wrap
 P = Panduit

Door Count
 4, 8, 16

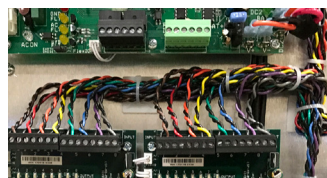
Panel Wiring
 A, C

A

M2150

C

M4000



See ProWire data sheets / wiring guide for detailed specifications



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