

HCLASS

Integrated Honeywell Power Systems

All-in-one power solutions for 4, 8, and 16 door Pro-Watch access controllers. Single, Dual Voltage / Networked.



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Standard Honeywell Power

Doors	Single Voltage	Current/Voltage	Enclosure
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4	FPO75-D8PE4H	6A/12V	24Hx20Wx6.5D
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8 au

8	FPO150-D8PE8H	12A/12V	36Hx30Wx6.5D
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8 au

16	FPO150-2D8PE8H1	12A/12V	36Hx30Wx6.5D	16
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Doors	Dual Voltage			
4	FPO75-B100C4PD8PE4H	2A/12V and 2A/24V	24Hx20Wx6.5D	

8	FPO150-B100C8PD8PE8H	4A/12V and 4A/24V	36Hx30Wx6.5D	
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16	FPO150/250-2C8P2D8PE8H1	12A/12V and 10A/24V	36Hx30Wx6.5D	
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Managed Honeywell Power				
Doors	Dual Voltage			
4	FPO75-B100M8PNL4E4H	2A/12V and 2A/24V	24Hx20Wx6.5D	

8	FPO150-B100D8PM8NL4E8H	4A/12V and 4A/24V	36Hx30Wx6.5D	
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16	FPO150/250-2D8P2M8NL4E8H1	12A/12V and 10A/24V	36Hx30Wx6.5D	
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Enclosures				
Doors	Enclosure Guide	Size		
4-6	E4H	24Hx20Wx6.5D		
8-12	E4H1	24Hx20Wx6.5D		

8-12	E8H	36Hx30Wx6.5D
12-16	E8H1	36Hx30Wx6.5D
16-18	E8MH*	36Hx30Wx6.5D

*E8MH all access enclosure

Integrated Access & Power

- HCLASS all-in-one systems puts power and HW Pro-Watch™ panels in one secure locking enclosure
- One AC drop minimizes wall space, simplifies installation, reduces time & labor costs
- FlexPower™ modularity and HCLASS versatility create unlimited system configurations
- Network options for diagnostic monitoring and control of power, battery and connected devices

Labor Saving Enclosure Design

- Factory pre-wired power section saves configuration time
- Removable backplate simplifies controller wiring
- Large enclosure depth accommodates battery sets
- Multiple knockout areas along all four sides

System Refinements

- Fault detection and reporting to host power and over the network with optional NetLink module
- Large enclosures with room for increased power, added output distribution or remote monitoring
- Modular power and distribution boards with snap-in standoffs simplify service and field upgrades
- Cam lock set, tamper switch and backplate hardware to mount the access control panels is included

[/tab] [tab title="Overview"] **PRODUCT HIGHLIGHTS**

HCLASS unified power systems offers maximum flexibility, functionality and savings to access system designers.

HCLASS enclosures are engineered to house FlexPower™ power management boards alongside Honeywell Pro-Watch access boards in one compact, secure system.

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To prevent damage to system electronics, the backplate separates from the enclosure for PW6 series board mounting in the shop while wiring is pulled to the enclosure at the job site. Once configured, the backplate can be remounted for final ties and checkout.

Features

- Removable back plate simplifies job installation
- Engineered backplate pattern minimizes installation time
- Power boards mount on snap-in stand offs
- Access boards mount on supplied threaded metal standoffs

Mechanical renements

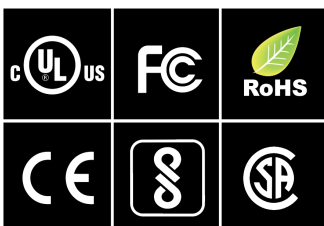
- Large enclosure depth to accommodate battery
- 19 Gauge steel with textured black finish
- Board mounting hardware provided
- Lock and tamper switch standard

Reliability and Safety

- Lifetime Warranty
- RoHS Compliant

Agency Listings

- UL294 / UL603 / UL1076 / ULC S319 • CSA C22.2 #107.1 • FCC Part 15, Subpart B • IEC 62368-1:2014, EN55032:2015, EN61000-3-2:2014
- EN6100-3-3:2013, EN55024:2010 +A1:2015
- CE, UKCA, BIS IS13252(Part1):2010, NOM 001:2018, RCM, SAA
- CSFM Approved, ROHS 3 Lead Free



Product Warranty

[/tab] [tab title="Technical Documents"]

Honeywell Standard Power			
Single Voltage	Datasheet	Install Manuals	CAD Files

FPO75-D8PE4H	DS	IM	CAD	AG
FPO150-D8PE8H	DS	IM	CAD	AG
FPO150-2D8PE8H1	DS	IM	CAD	AG
Dual Voltage				
FPO75-B100C4PD8PE4H	DS	IM	CAD	AG
FPO150-B100C8PD8PE8H	DS	IM	CAD	AG
FPO150/250-2C8P2D8PE8H1	DS	IM	CAD	AG
Honeywell Managed Power				
Dual Voltage				
FPO75-B100M8PNL4E4H	DS	IM	CAD	AG
FPO150-B100D8PM8NLE8H	DS	IM	CAD	AG
FPO150/250-2D8P2M8NDE8H	DS	IM	CAD	AG
Honeywell Enclosures				
Enclosure				
E4H	DS	CAD		
E4H1	DS		-	CAD
E8H	DS	CAD		
E8H1	DS	CAD		

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

Troubleshooting Guide	Factory Contact	Business Contact
FPO Troubleshooting	Email Customer Service	Accounting Office
Accessory Troubleshooting	Email Technical Department	Area Sales 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](#)

Application Notes
[AN26 Distribution options](#)

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