



# IPS boxed SOLUTION

- **Convenience:** pre-wired for rapid installation
- **Flexibility:** plug-and-play with a variety of modules
- **Simplicity:** no software or computer required

**Secure** and easy access control



## WHO SHOULD USE THE IPS BOXED SOLUTION?

The solution is great for installers looking for a simple and efficient installation, without compromising on security.

The system is ideal for both small and large installations – whether a single box, or multiple boxes in a bank arrangement.

## PRODUCT BENEFITS:

- Integrated power supply, tamper protection and earthing
- Powder coated metal housing with breakout for a lock
- Embedded software configurable through the web
- Plug-and-play simplicity

The IPS boxed solution is aimed at providing increased convenience for installers, as the metal housing is pre-configured and wired with the relevant controller and module.

The unit uses true plug-and-play hardware which enables modules to be quickly clipped into each other, for instant power and communication connection.

### Flexibility

The metal housing can accommodate a controller and up to four modules, including a mix of modules. There are also numerous cable entry options from punch-outs to quick-click glands, for maximum installation flexibility.

### Security

The IPS boxed solution is supplied in a strong, durable powder-coated metal enclosure, with the option to add a panel lock for increased security.

Tamper protection is also included as standard, adding up to a robust and secure solution.

### Power supply

The unit ships with a high-end switch mode power supply which can cope with a wide range of input voltages.

The housing also includes adequate space for you to add a 7AH battery for backup power.

### Software

There is a choice of using either the embedded or server based software solution. Both allow for remote client access via a secure web page.

### Variants available

The unit is compatible with all Impro reader modules (Wiegand, Antenna, S-Series and IO), and mixes thereof.

# Specifications

## IPS BOXED SOLUTIONS

Model name	Wiegand/Antenna in IPS housing	IO8/S-Series in IPS Housing
<b>Part number(s)</b>	HCW930 (Wiegand)   HCL930 (Antenna)	IO8 (HCO930)   S-Series (HCS930)
<b>Product description</b>	Controller and single module in IPS housing	Controller and single module in IPS housing
<b>Colour</b>	Black	
<b>Dimensions (d-w-h)</b>	8.2cm x 38.3cm x 31.3cm [3.22" x 15.1" x 12.3"]	
<b>Approximate product weight</b>	5.45kg [12lb]	
<b>Material</b>	Powder-coated metal box	
Electrical specifications		
<b>Input voltage</b>	90 - 240V AC	88 - 132V AC or 176 - 264V AC (manually switched)
<b>Mains frequency</b>	50/60Hz	N/A
<b>Output voltage</b>	13.8 ± 0.3V DC	
<b>Max continuous output current</b>	5A	10A
<b>Power output rating</b>	75W	150W
<b>Power input protection</b>	Reverse polarity on DC power inputs, over-voltage & over-current protection provided	
General		
<b>Anti-tamper Protection</b>	Monitored micro-switch on IPS box lid	
<b>Battery connection</b>	Space for 12V 7Ah battery in box, with connection to battery charging circuit	
<b>Module capacity</b>	Cluster controller + 4 cluster modules	
Environmental specifications		
<b>Operating temperature</b>	-25°C to +60°C [-13°F to 140°F]	
<b>Storage temperature</b>	-40°C to +80°C [-40°F to 176°F]	
<b>Operating humidity</b>	0 to 95% relative humidity at 40°C(104°F) non-condensing	
<b>Environmental rating</b>	Designed to work indoor (dry) environment similar to IP20	
<b>Drop Endurance</b>	1m [3.28 ft.] drop (in packaging)	
Certifications		
<b>CE (EU)</b>	✓	
<b>UL ROHS</b>	✓	
<b>SABS (RSA)</b>	✓	



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