PowerJack A future way for Wireless Power Transfer

Wireless Power Supply Solution

- Worldwide patented technology for access system.
- It transfers power and data wirelessly, improving the efficiency significantly from traditional wiring system.
- Environmental friendly.

Features

Function Monitoring

- The exclusive power device offers the solution that can do two-way transmission.
- It provides the reader monitoring data back to the control system.
- The monitoring feature of door sensor can assure door's locking status.
- It can tell whether the power output is normal or not simply via LED.
- The pair device provides timer for power transmission, which can be set timing between 3 to 99 seconds.

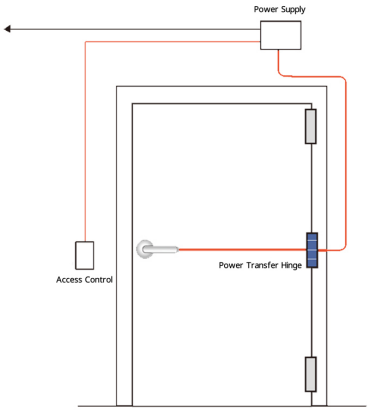
Effortless Installation

- It is the only one wireless power transfer device able to fit narrow frame thickness to 25mm, which meets European standard locks' min. door width without door restriction issue.
- The unique solution able to transfer power wirelessly up to 7 mm gap between door and frame.
- The product size can fit confined space, which allows horizontal dislocation up to 2mm and vertical dislocation up to 2mm with door gap of 5mm.
- Flexible mountings : hinge side, latch side or top of the frame.
- Fits all kinds of doors : wooden, aluminum or metal doors.

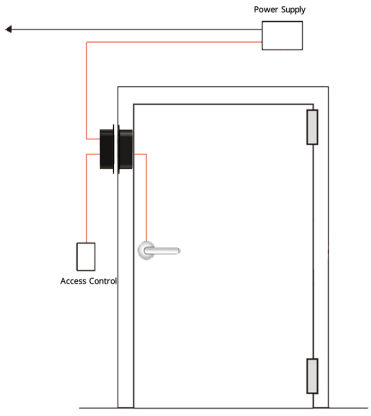
Cost-Free Maintenance

- No more wires intruding to the wall.
- No need to core drill the door.
- Eliminate the power transfer hinge.
- Another model for digital door lock solution, the lock no longer needs to change battery, there is a chargeable Li-ion battery on the door side. Saving time and money for hotel premises.

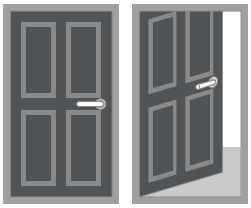
Traditional installation

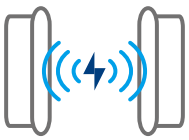


STA solution



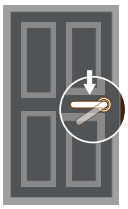
POWERJACK-STA

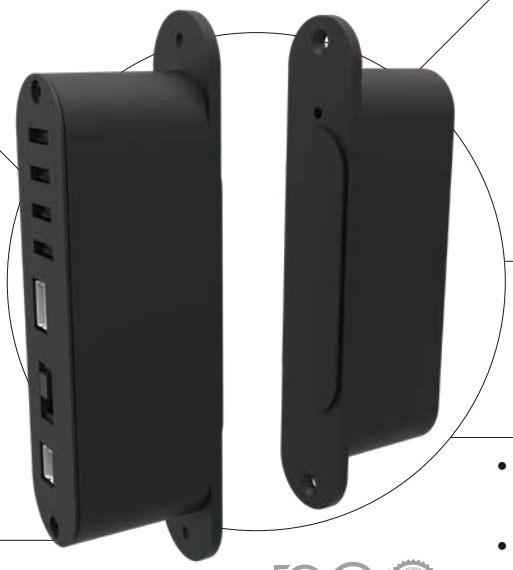




Door Position Status

- Provide 2 x DI (Door Side) & 4 x DO (Frame Side)
- 2 sets of door closing timer
- Status indicator light





Power Supply Wirelessly

- Works on a gap space up to 7mm between each unit
- Allow with horizontal dislocation up to 2mm, vertical dislocation up to 2mm

For all kinds of doors: Wooden door, aluminum or steel door.

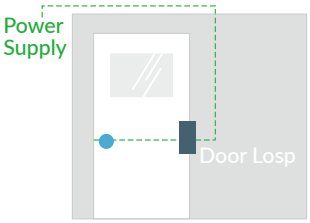
- Minimal maintenance - no other exposed moving parts
- Flexible - It can be install on hinge side, latch side or on top of door
- Time/ cost effective - no longer require door core drilling

REX Signals

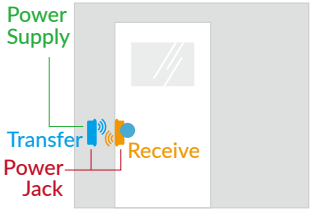
- Fail secure / PTO devices only, not for fail safe / PTL application
- Dual voltage selectable power output 12 VDC or 24 VDC

Swing door

Traditional Installation

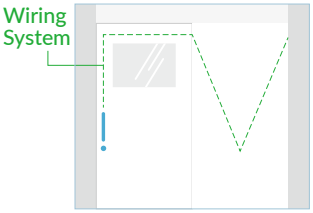


Our solution

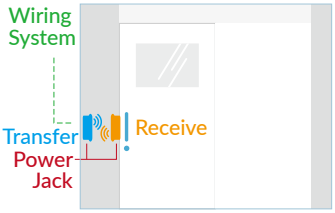


Slide Door

Traditional Installation



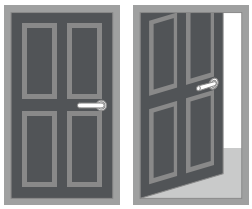
Our Solution

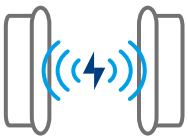


Specifications

Dimensions (Frame side & Door Side)	131 x 25 x 37 mm
Applicable to electronic lock specifications	Fail Secure (Mortise lock, Cylindrical)
Power output (switchable)	500mA @ 12VDC / 250mA @ 24VDC
Installation allowable range	Installation allowable range Max. Door Gap: 7.0 mm (perfect alignment: 5mm); horizontal dislocation: <2mm; vertical dislocation <2mm (when door gap less than 5mm)
Input point (Frame/TX side)	2 sets unlock timer 1. 4sec 2. 3~90 sec
Output point (Frame/TX side)	4 sets of outputs(2 sets of status output, 2 sets of extension output) 1. Door position signal 2. Device status signal 3. Lock signal output 4. Lock signal output
Input point (Door/RX side)	2 sets of extended output 1. Lock signal input 2. Lock signal input
LED status indicator	Bi-Color LED (Frame/TX side)
Operating Temperature	-20°C~60°C

POWERJACK-STB





Door Position Status

- Provide 1 x door status (Door Side) & 1 x error status (Frame Side) out put
- Second Power Source at door side
- Status indicator LED for both side

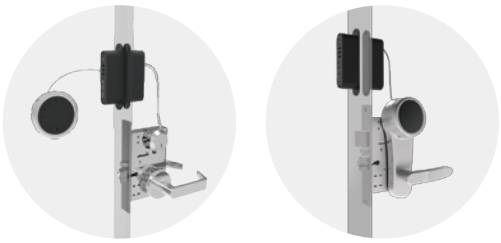
Power Supply Wirelessly

- Works on a gap space up to 7mm between each unit
- Allow with horizontal dislocation up to 2mm, vertical dislocation up to 2mm

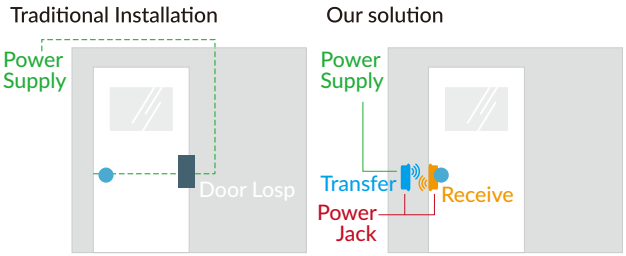
For all kinds of doors: Wooden door, aluminum or steel door.

- Minimal maintenance - no other exposed moving parts
- Flexible - It can be install on hinge side, latch side or on top of door
- Time/ cost effective - no longer require door core drilling

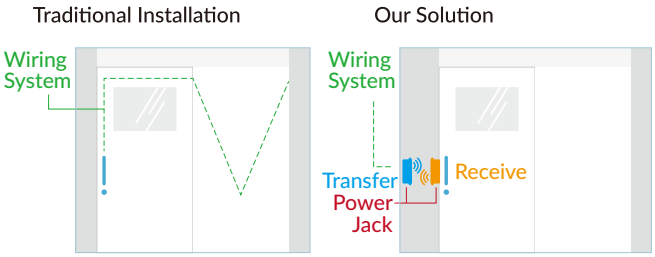
- Low standby current electronic lock application. It can operate lock / unlock action
- Power output 12VDC/ 500mA
- Smart monitoring: overheating, low current, metal part interference – error status output



Swing door



Slide Door



Specifications

Dimensions (Frame side & Door Side)	195 x 25 x 30mm (Frame side-Send) 195 x 25 x 48mm (Door Side-Receive)
Applicable to electronic lock specifications	Low standby current electronic lock application, operate lock/ unlock action. (Max. current 30mA)
Power output (switchable)	Max .500mA@12VDC
Installation allowable range	Max. Door Gap: 7.0 mm (perfect alignment: 5mm); horizontal disloca-tion: <2mm; vertical dislocation <2mm (when door gap less than 5mm)
Second Power Source	Li-ion battery 7.4V 3200mAh (at door side)

Output point (Door/RX side)	DOx 1 solid state relay, 60V 200mA Door status (NO) 1. Lock signal output 2. Lock signal output
Output point (Frame/TX side)	DOx 1 solid state relay, 60V 200mA Error status (NO)
LED status indicator	Bi-Color LED @ Frame Side Red Color LED @ Door Side
Operating Temperature	-20°C~60°C