

DIU 230

Power over Ethernet Door Interface Unit

OVERVIEW

Where a high level of security is required and cabling must be kept to a minimum, the PoE+ DIU 230 offers the ideal solution. Used as part of the AC2000 security management system, the DIU 230 is a complete package that combines Ethernet communication with battery backed lock and door power.

The DIU 230 works in conjunction with a Midspan power injector between the server and the door. Using just a single Cat 5e/6 cable the DIU 230 eliminates the need for a mains power supply at the door. Where local power is not readily available, the DIU 230 can offer significant cost savings.

The DIU 230 supports a range of PoE+ mid-spans, offering the highest levels of flexibility, with sufficient power for almost every situation.



FEATURES

- Door and reader power with Ethernet communications via a single Cat 5e/6 cable
- Eliminates the need to have mains power and a power supply at the door
- Provides local power for a full door set including up to 2 Maglocks.
- Up to 2 Amps available at the door
- Compatible with Phihong 30W, 36W and midspan devices
- Door Interface Electronics held on one board
- Provides 'coded lock' interface between door hardware and card reader
- Tamper protection
- Wiegand interface for 3rd party exit reader
- Designed for ease of installation and maintenance
- Onboard battery backup & power assist.
- Used with the AC2000 range (Lite, Standard Edition and Airport Edition)

PRODUCT HIGHLIGHTS

Power Over Ethernet Access Control

The DIU 230 offers a complete IP based access control solution that eradicates the need to provide local mains power at the door. The unit installation is classed as low voltage and can be completed by IT network installers without the expense of an electrician or electrical contractor.

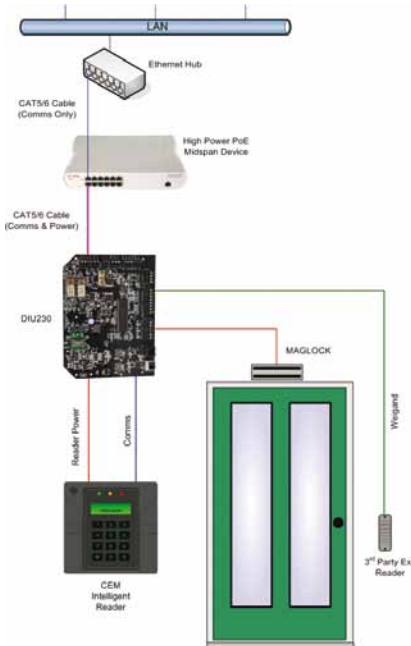
Benefits

The DIU 230 has an increased current capacity of up to 2 Amps, Midspan dependant. This allows a wide range of door locks or a pair of locks and end devices to be used. For 2 Amp requirement the Phihong 36 Watt model of Midspan is advised.

The unit incorporates a wiegand interface which allows a 3rd party wiegand read head to be directly connected. This provides a low cost alternative if an LCD and keypad are not required for the exit side of the door.

Available as a board only version or as lockable wall mounted enclosure with storage for back up battery.

When fitted with a back-up battery, the DIU 230 and any equipment attached to it will continue to work through a power failure. For example, a 7.2AH battery could keep a door operational for up to 4 hours.



* See disclosure below

TECHNICAL SPECIFICATIONS

PHYSICAL

Size

- Board only 193mm x 147mm x 20mm
(7.6" x 5.8" x 0.8")
- Enclosure version 460mm x 250mm x 90mm
(18.1" x 9.8" x 3.5")

Weight

- Board only 0.65Kg
- Enclosure version 3.65Kg

Enclosure Colour Light Grey

Power requirement Voltage PoE+ dependant 802.3at compliant 45 to 56 Volts dc

Environmental Temperature -10°C to +55°C (subject to battery specifications)

LED Indicators

- * 3x Status LED – Reflected on read-head
- * RS485 Activity LED
- * Lock Secure Contact
- * Lock Safe
- * Holder LED
- * Switcher Okay
- * Battery status LED

FUNCTIONALITY

Inputs

- * Door Position
- * Lock Status
- * Exit push button
- * Break Glass unit
- * Fire Input

Outputs

Lock Secure/Safe 12V Relay Output
 Door Holder 12V Relay Output
 Sounder 12V Open Collector
 Dedicated eDCM300 power output

Total output power capability up to 2 Amps Midspan dependant.

Intelligent current sharing between PoE and battery

Memory

32kB Flash memory

COMMUNICATION INTERFACE

To Card Reader

Ethernet and RS485 cable

- Connection

RJ45 and 2 part screw terminals

PRODUCT CODES

DIU/700/230 Board only version
 DIU/700/231 Enclosure version

COMPATIBLE MIDSPANS

Phihong 30 Watt PoE 30U-560(G)
 Phihong 36 Watt PoE 125U-4HP (Req.for 2 Amps)

Product specifications and availability is subject to change without notice. Certain product names mentioned herein may be trade names and/or registered trademarks of their companies.

Diagrams shown are illustrative purposes only. Refer to product manual for recommended cabling.