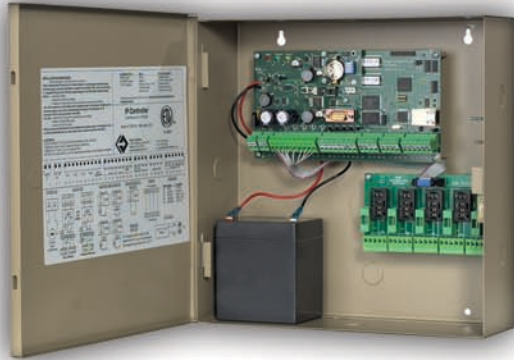




## The Reach IP Controller

The primary function of the Reach IP Controller is to provide an interface between the ReachNet™ server and the access control devices at the door.

Reach IP Controllers are designed as single-door access control panels that communicate with a hosted central server over the Internet. While on a LAN connected to the internet, the Reach IP Controller only requires outbound Internet Access. IP Controllers have been designed to control a single door by using card, PIN or biometric readers. In addition, each IP Controller has 8 inputs and 5 outputs, all of which are fully configurable by using ReachNet from any web browser.

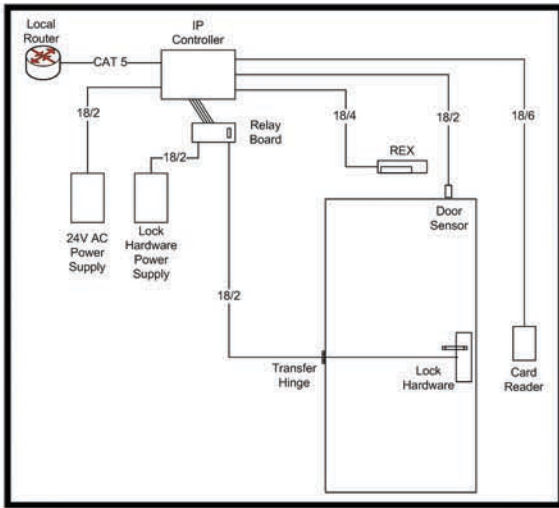


### Key Features:

- ▶ Compatible with all card readers using a Wiegand format
- ▶ Storage of all templates, permissions and schedules and events locally; in case of network failure the door still functions and keeps an uninterrupted log of events
- ▶ Regularly communicates with the ReachNet server to update its database of templates, permissions and schedules
- ▶ Stores and reports every event that occurs at the door, creating an audit trail of everyone who attempts to gain access to the door
- ▶ Stores up to: 60,000+ fingerprint templates or 200,000+ cards/PIN codes
- ▶ Stores up to 10,000+ schedules, including holiday schedules
- ▶ Multiple inputs and outputs
  - > 8 inputs: 5 supervised analog and digital inputs and 3 unsupervised inputs compatible for REX devices and pressure, flood and temperature sensors
  - > 5 configurable outputs, which may include: electric locks, buzzers, lights and alarms to signal conditions at the door, and any other switchable device or appliance
- ▶ All communications between the ReachNet server and Reach IP Controllers are protected by 256-bit AES encryption, approved by NSA for "TOP SECRET" communications



# Installation



Installing an IP Controller is intuitive and very similar to any other access control panel, making it perfect for new sites and retrofits. Since there is no server or software to install, on-site installation time and labor expenses are greatly reduced. All IP Controller programming and account setup can be performed remotely using ReachNet. Configuration templates can be created, saved, and assigned in minutes – freeing up the installation team to finish more projects in less time.

Since IP Controllers use TCP/IP communications, they can be networked by connecting to the nearest network hub. If using a WiFi bridge, no network cabling is required at all. In addition, there is no on-site server or software to install, reducing labor costs during installation and lowering the total cost of system ownership.

# Technical Specifications

**INPUT POWER** 24VAC, 40VA UL-approved Class 2 transformer

**BACKUP POWER** UL listed 12VDC, 4Ah or 7Ah, sealed lead/acid backup battery (to be supplied by installer)

**OUTPUT POWER** 12 VDC power for the combined power usage of all attached devices up to 1.5 Amps. Over-current protection is provided for the power supply in the form of a self-resetting fuse. Individual outputs do not have individual current protection.

**INPUTS & OUTPUTS**

- 5 Supervised inputs (can also be analog inputs)
- 3 Unsupervised inputs
- 5 Configurable 12VDC Outputs wired to
- 5 single pole, double throw, 10A, 12V relays

**DEVICE COMMUNICATIONS** Supports Wiegand, RS232, RS422, and RS485 devices

**NETWORK COMMUNICATIONS** TCP/IP, 256-bit AES encryption

**ENCLOSURE**

- Height: 12" (30.48 cm)
- Width: 12" (30.48 cm)
- Depth: 4" (10.16 cm)
- Material: 19-gauge cold-rolled steel

**ENVIRONMENTAL**

- Operating Temperature: 32°F to 122°F (0°C to 50°C)
- Operating Humidity: 0% to 95% relative humidity, non-condensing

**CERTIFICATIONS** FCC Part 15, Subpart B – Unintentional Radiators, UL 294

# Ordering Information

## CONTROL PANELS

**IPC-EN-1DR** IP Controller package for 1 door in ready-to-install metal enclosure

**IPC-NOE** IP Controller package ready-to-install, No metal enclosure

## EVALUATION KITS

**IPC-EVAL IPC-EN-pkg + AY-K12 + AT-R14 (10)** Not for Resale

**IPC-SALES/TRAIN** Demo unit in small black pelican case, switch, for sales use

**IPC-DEMO-WLS** Demo unit in large black pelican case w/ wheels, D-Link/Verizon

## READERS & CARDS

**HID ProxPoint Plus 6005** 125 KHz Mullion Mount Proximity Reader

**HID ProxPro with Keypad** 5355 125 KHz Wall Switch Keypad Proximity Card Reader

**HID ProxCard II** 125 KHz Proximity Card (Clam shell)

**HID ProxKey II** 125 KHz Proximity Key Fob

**Rosslare AYC-G64** PIN/Prox Reader

**Rosslare AY-K12** Micro-Mullion Prox Reader

**Rosslare MP-K01** Mounting Plate for AY-K12

**Rosslare AT-13B** 125 KHz Prox Tag – Black

**Rosslare AT-R14** 125 KHz Prox Card (Clam shell)

**Rosslare AY-L23D** Long Range RF Reader

**Rosslare SA-27F** 2 button transmitter

## For more information:

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