

## Layout of External I/O Board



Door Strike 1 = For connection to EM lock.

Door Strike 2 = For other usage i.e External Buzzer/ External LED.

Door Senses = Sensor for detecting of door being left open.

Door Switches = Door strike will be activated once door switch is a closed circuit.

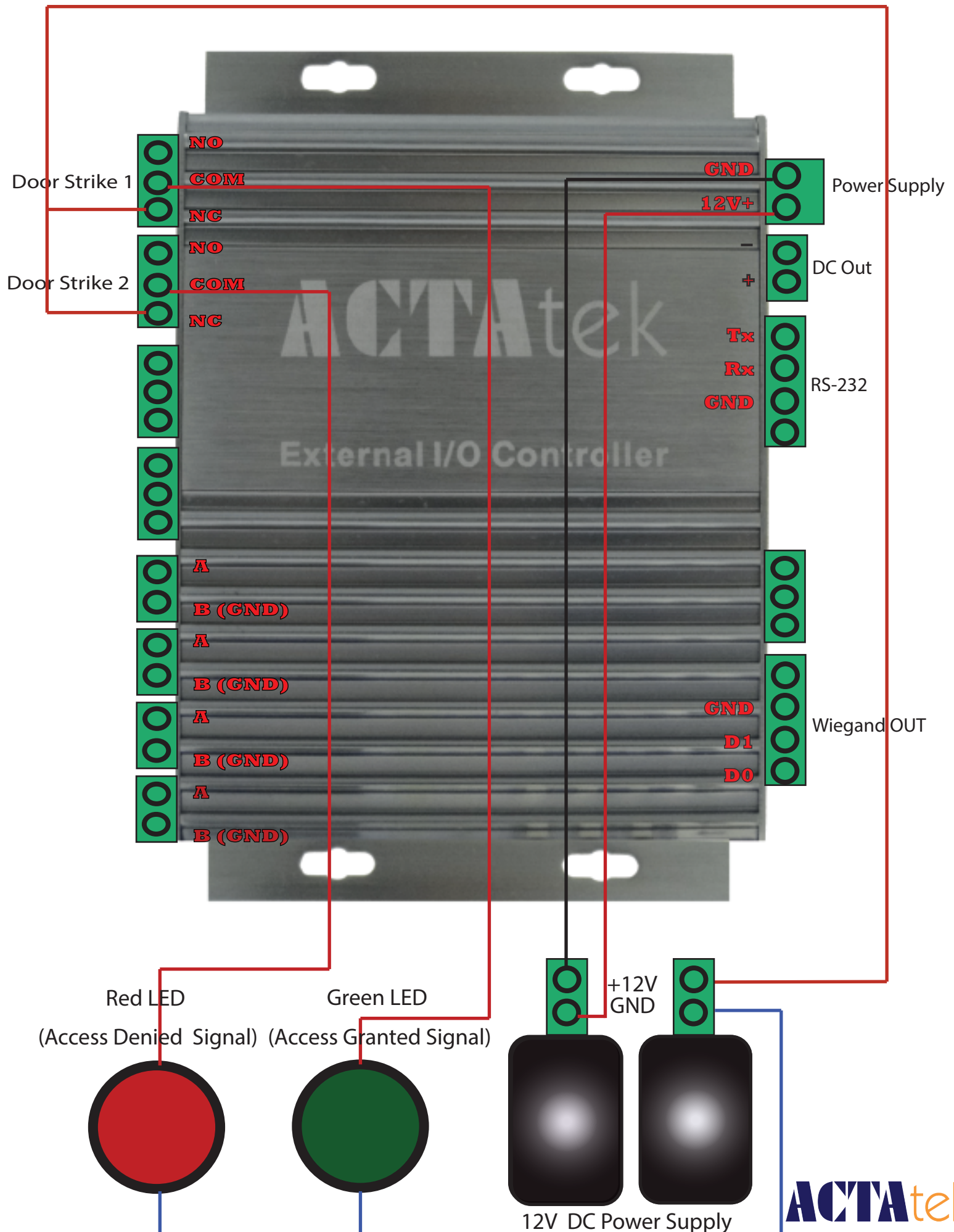
Power Supply = For connection to DC 12V power supply.

DC Out = To power up ACTAtek 3 unit (optional).

RS232 = For connection to ACTAtek 3 unit.

Wiegand Out = For wiegand output (26bit) interface.

# External I/O Controller with large LED wiring Diagram



## External Devices

If ACTA3 was connected to the external I/O board, you can see the connection status at external devices page.

(Note: Starting from Firmware 1305,ACTA3 device will automatically detect the external I/O board once powered on and connected.)

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Terminal

- Log Off
- Terminal Status
- Add Record

User Administration

- Attendance Report
- Daily Report
- View Event Log
- Add Event Log
- View User List
- Add New User
- Departments
- User Messages
- Admin Setting

Access Control

- Access Groups
- Triggers
- Holidays Setting

Terminal Settings

- Terminal Setup
- Authentication/Log Setup
- Terminal List
- Access Client Setup
- Door Open Schedule
- Bell Schedule
- Connection Profile
- Terminal Clock**
- External Devices
- DDNS

Terminal

- Cloud Storage Service
- SMS Service
- Alert Log

External Devices

Add New External Reader

External Reader Interface

RS485

Reader Type	Reader Address	Reader Description	Trigger	Ignore
Mifare	1		IN	

Add

External Reader List

☐

Reader Type

Reader Address

Trigger

Ignore Quick Access

Select All | Deselect All

Total 0 Readers

Delete Clear

External Secured Relay List

Relay Address
1

Total 1 Relays

External IO Board

[External I/O Board registered. Local device's relays disabled. ]

Refresh

External I/O successfully connected with ACTA3 Unit.



# Terminal Setup

Door Strike2 is required to connect to external I/O board and it should be assing on Access Denied mode to trigger the RED LED during access denied as bellow.

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- View Event Log
- Add Event Log
- View User List
- Add New User
- Departments
- User Messages
- Admin Setting

**Access Control**

- Access Groups
- Triggers
- Holidays Setting

**Terminal Settings**

- **Terminal Setup**
- Authentication/Log Setup
- Terminal List
- Access Client Setup
- Door Open Schedule
- Bell Schedule
- Connection Profile
- Terminal Clock
- External Devices
- DDNS

**Terminal**

- Cloud Storage Service
- SMS Service
- Alert Log
- Syslog
- Firmware Upgrade
- Download Report
- Capture Fingerprint
- Remote Door Open
- Reboot

**Support**

- Register

**Console Clock Format** ☒ 12 hours ☐ 24 hours

**Wiegand Configuration**

**Wiegand Type** 26-bit ▼

**Access Method** Finger Print, Password, Smart Card ▼

**Wiegand Output Format** User ID + Facility Code ▼ EP + 8-bit FC + 16-bit UID + OP

**User Facility Code (FC)** 1 (1 - 255)

**Miscellaneous**

**Terminal Mode** ☐ Stand Alone ☒ Access Manager

**Job Code** ☒ Disable ☐ Enable

**Door SW Mode** ☒ Door Switch ☐ Door Sense

**Door Strike 1 Option** ☐ Disable ☒ Access Granted ☐ Emergency Mode  
Relay Delay 8 sec (1-90)

**Door Strike 2 Option** ☐ Disable ☐ Door Strike 1 Clone ☒ Access Denied ☐ Bell Schedule ☐ Alarm Alarm (Door Strike 2) When Door Opening Time Is Exceeded 30sec  
Relay Delay 8 sec (1-90)  
**Note: Setting should not be changed while in operation**

**Network Camera** IP Address: Port: 80  
Manufacturer: Axis ▼ Model: Axis 2100 ▼

**Language** English ▼

**Webserver Port** 80 (80, 1024 - 65535)

**Allowed IP** ☒ Disable ☐ Enable \* (e.g. 192.168.1.\*)

**2-digit Duress Code**

**SMTP Server**

**Schedule reset** 2 : 38

Access Denied option should be enable for door strike 2 option to Triggered when denied message.