Layout of External I/O Board

Door Strike 1 — NO / COM / NC

Door Strike 2 — NO / COM / NC

Door Strike 3

Door Strike 4

Door Sense 1 — A / B (GND)

Door Sense 2 — A / B (GND)

Door Switch 1 — A / B (GND)

Door Switch 2 — A / B (GND)

ACTAtek — External I/O Controller

Power Supply — GND / 12V+

DC Out — − / +

RS-232 — Tx / Rx / GND

Wiegand OUT — GND / D1 / D0

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.

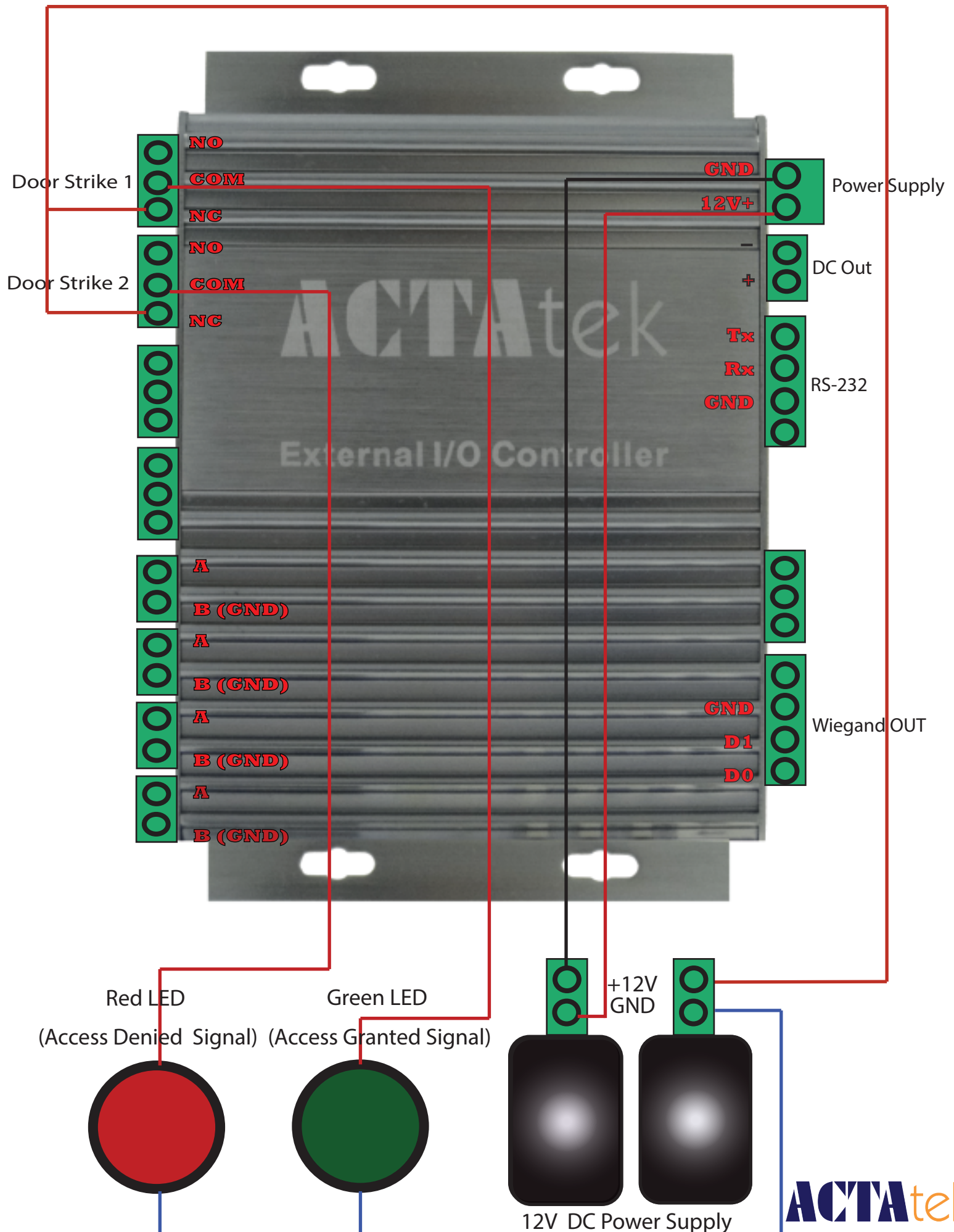Door Switches = Door strike will be activated once door switch is a closed circuit.

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.

ACTAtek

External I/O Controller with large LED wiring Diagram

Door Strike 1

NO
COM
NC

Door Strike 2

NO
COM
NC

A
B (GND)
A
B (GND)
A
B (GND)
A
B (GND)

GND — Power Supply
12V+

− DC Out
+

Tx
Rx — RS-232
GND

GND
D1 — Wiegand OUT
D0

ACTAtek

External I/O Controller

Red LED

(Access Denied Signal)

Green LED

(Access Granted Signal)

+12V
GND

12V DC Power Supply

ACTAtek

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.)

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.

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