



Connector Description

1. COM1 to COM4

- COM1 by default is connected to the fingerprint module if installed. Otherwise, it is open for use by other applications.
- COM2 by default is connected to the Mifare Contactless Smart Card Reader/Writer if installed. Otherwise, it is open for use by other applications. To use it with other applications, remove jumpers JP7 and JP8.
- COM3 is shared with the RS485 port.
- COM4 is open for use by any other RS232 devices.

2. RS485

- The RS485 serial port shares its port with COM3 of the ACTAtek. That means either one can be used at any given time.
- RS485 is enabled if JP9 and JP10 are installed.
- Typical devices connected to RS485 are External Relay and/or external Mifare Contactless Smart Card Reader/Writer.

3. Weigand output

- Weigand output is supported in ACTAtek.
- Users can select either 26-bit output or 40-bit output
- Smart card ID will be sent out in 26 or 40-bit Weigand format when authorized.

4. Security sensor

- Used to protect ACTAtek in an event when someone is trying to remove or attack the unit.
- Alarm output will be triggered if ACTAtek is lifted up or removed away from its installed position.

5. RJ45

- Used to connect a RJ45 cable to the network which enables ACTAtek to be reached by Ethernet.

6. Buzzer

- Used to create unique beeping sounds during authentication or other situations.

7. USB

- A USB interface present, reserved for future use.

8. 12V DC jack

- Power up the ACTAtek with shipped switching power supply.
- Make sure you have same rated power supply (12VDC, 27W) if the one provided is not used.

9. Door switches

- Opens the corresponding door strike when triggered.

10. Door sensors

- System will alert user (LCD display message, buzzer sounds) if each of the door sensors is closed for about 30 seconds.
- Alert stops when sensor opens.

11. Alarm

- Triggers the external alarm if door sensor is activated.

12. Door strikes

- Opens a door.
- NC – Normally connect, COM – Common, NO – Normally Open

Details of how to connect items 9-12, please refer to the following diagram.

