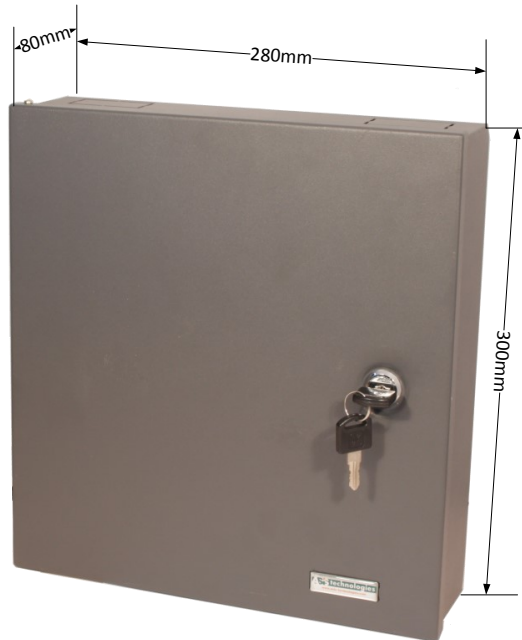# Install and Terminate ACU205

Overview

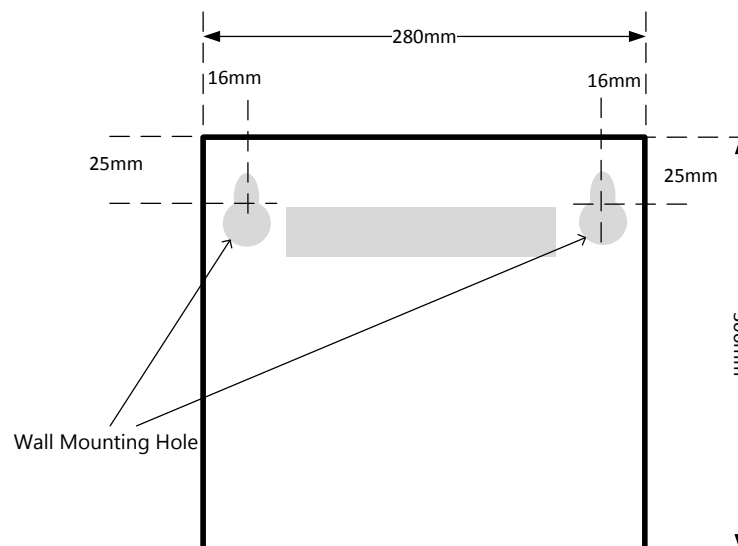*Figure 1. Product Dimension*

Product Mounting

Figure 2. Product Mounting

ACU205 metal enclosure comes with wall mounting hole on the back of the panel. See image for location.

ACU205 main board to function as Card Access Panel has a number of terminating point.

Function	Description
Lock Output 5 - 6	
Output 1 – 4	
Fire Alarm Input	
Input Zone 1 – 8	
Wiegand Port x 2	
RS485 Device	
RS232 Host	
RS485 Host	
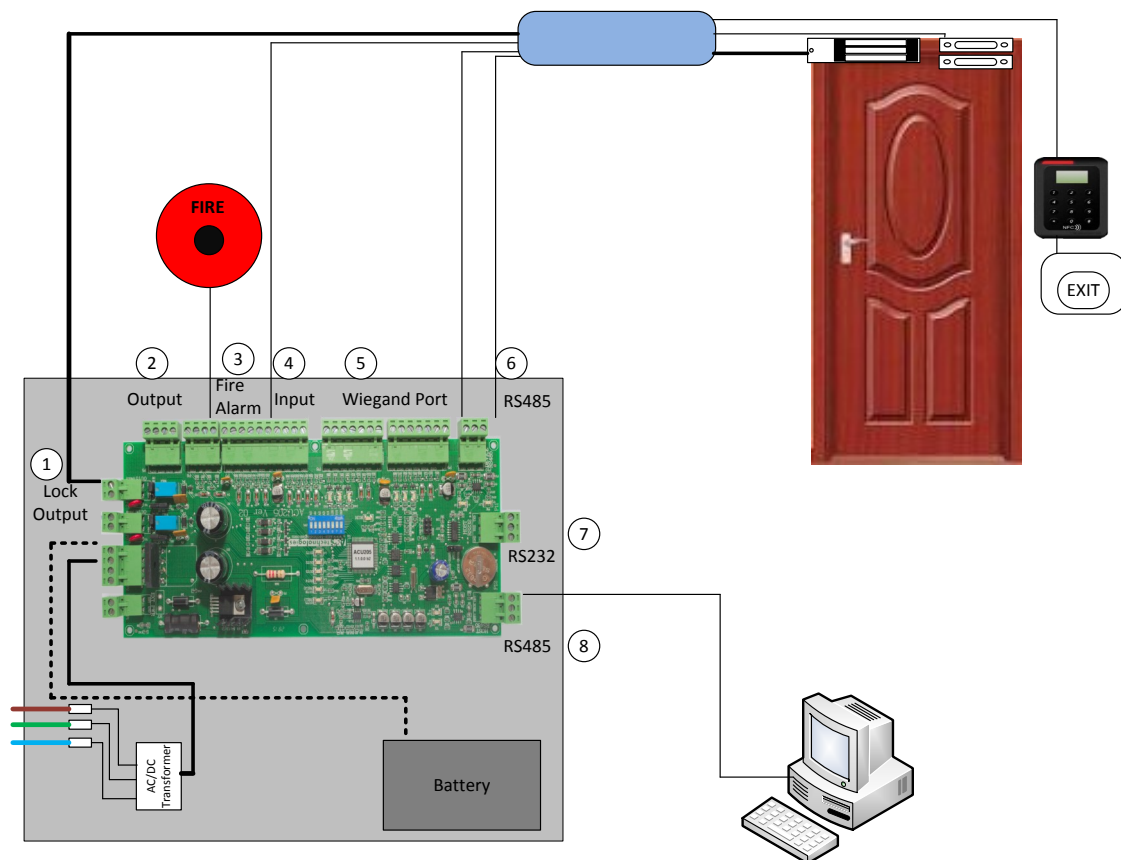
1) Lock output for Reader 1 and Reader 2. Each of the relay can be jumper configure to voltage out 12V DC or voltage free switch output. The output can also be configure to be normally open or normally close.

2) Four zone of Open collector output can be configure to be general purpose activation, they can be use d in event action triggering or output locking by schedule.

3) Fire Alarm input termination point is a 2 junction termination point. The incoming signal from Main Fire alarm panel must be voltage free normally close dry contact.

4) There are total 8 input zone on board, 4 of the 8 zone are preset for the 4 reader zone, remaining 4 can be used for other voltage free normally close input device monitoring.

5) There are two Wiegand ports on board, each port comes with 7 connection points.

Connection Points	Description
Lock Output 5 - 6	
12V	Positive 12V
Gnd	Ground
D0	Data 0
D1	Date 1
Brn	Brown for Red Led
Org	Orange for Error Led
Yel	Yellow for Buzzer

Terminate Wiegand reader based each point definition. Note that certain brand of Wiegand reader may use different color code for wiring, please match the wire function to the termination point.

6) The 12V and Gnd point is also the power supply termination point for RS485 reader.

7) Device port is use for reader communication. The cable use be multistrand wire with twisted screen pair, there should be standby pairs of wire available to be use in case combat electrical noise.

8) Host Comms Port uses RS232 communication from controller direct to server. The cable use must be multistrand wire with twisted screen pair, there should be standby pairs of wire available to be use in case combat electrical noise.

9) Host Comms Port uses RS485 communication from controller to controller and back to server. At Server site the RS485 must be convert to R232 or TCPIP. The cable use must be multistrand wire with twisted screen pair, there should be standby pairs of wire available to be use in case combat electrical noise.