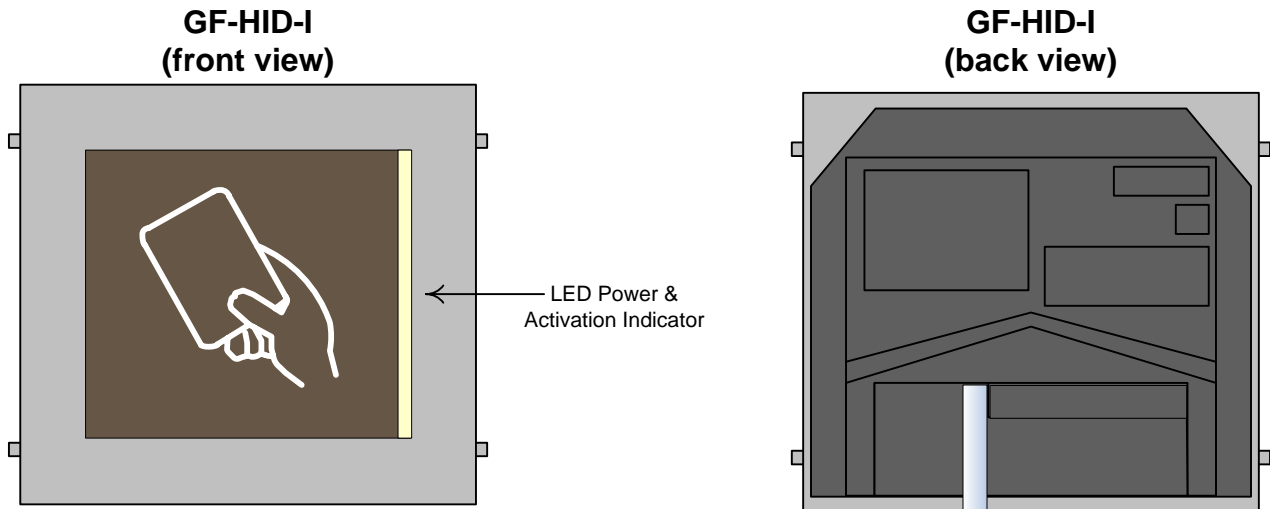# AIPHONE®

## GF-HID-I

### HID *iClass™* Smart Card Reader Module for GF Entrance Panel

**- INSTRUCTIONS -**

The GF-HID-I is an Access Control module for the GF Entrance Panel that contains an HID iClass Card Reader. This module installs into the entrance panel and cosmetically matches, so a separate card reader does not need to be installed. The card reader provides electronic access to a building through the standard Access Control system, which is not supplied by Aiphone.
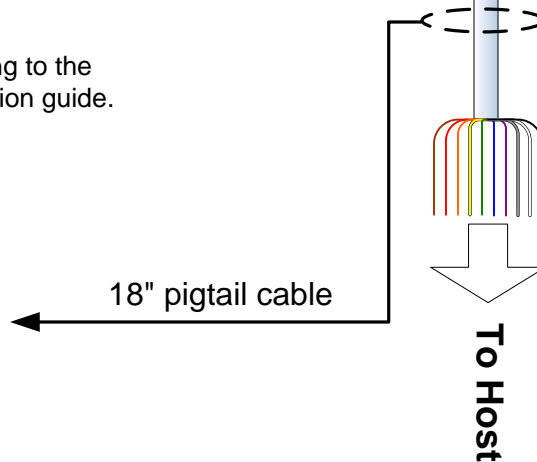
**INSTALLATION:**
1. Install GF-HID-I card reader module in the GF entrance panel. (Install in a lower position for ease of access).
2. GF-HID-I will snap into the GF-2F or GF-3F frame.
3. Secure wire connections as shown on wiring chart.
4. Cut any unused wire so that bare wires are not exposed.
5. Refer to standard GF Installation Manual for complete system information. No additional information pertaining to the Access Control system is provided by Aiphone.
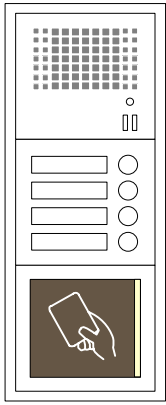
### GF-HID-I
### (front view)



LED Power & Activation Indicator

### GF-HID-I
### (back view)



**Connecting the Reader to the Host:**

Connect the reader to the host according to the wiring table below and the host installation guide.

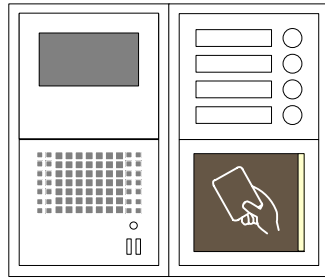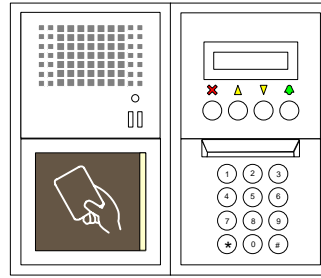| Wiegand | Wire Color |
|---|---|
| + DC | Red |
| Ground | Black |
| --- | Violet |
| Data0 | Green |
| Data1 | White |
| Shield Ground | Drain |
| Green LED | Orange |
| Red LED | Brown |
| Beeper | Yellow |
| Hold | Blue |

18" pigtail cable

To Host

## TYPICAL LAYOUTS:

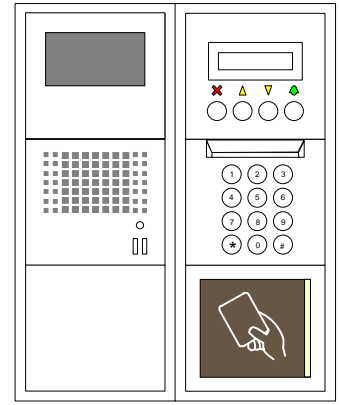

Audio with 4 buttons and iClass® reader



Video with 4 buttons and iClass® reader



Digital audio with iClass® reader



Digital video with iClass® reader

## TESTING AND OPERATION:

- When power is applied to the iClass® reader, the LED will turn RED while the beeper beeps simultaneously 3 times. (The last tone is a higher frequency).  The LED will then flash once after the last tone.  This indicates that the microcontroller is operating properly.

- Present an ID card to the reader. (Hold card directly in front of and within one inch of the reader module. In some cases, the card may need to actually touch the reader.) The LED will momentarily turn green while the beeper beeps once, indicating that the card was read successfully.

## SPECIFICATIONS:

| | |
|---|---|
| Power Source: | 10 – 16 VDC / 65 – 225mA |
| Current Requirements: | 80mA (Avg); 300mA (peak) at 12VDC |
| Transmit Frequency: | 13.56 MHz |
| Terminations: | Color-coded pre-wired pigtails |
| Wiring Distance: | 500' |
| Dimensions (H x W x D): | 3 ¾" x 4 3/16" x 1 7/8" |
| Operating Temperature: | -10° ~ 60° C  /  14° ~ 140° F |
| Operating Humidity: | 5% to 95% relative humidity non-condensing |

**FCC WARNING:**

This device complies with Part 15 of the FCC rules.

Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference that may cause undesired operation.

For proper regulatory compliance, the drain wire should be disconnected at the power supply end of the cable.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The Reader is intended to be powered from a limited power source output of a previously certified power supply.

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GF-HID-I Instr.
0605PHJS