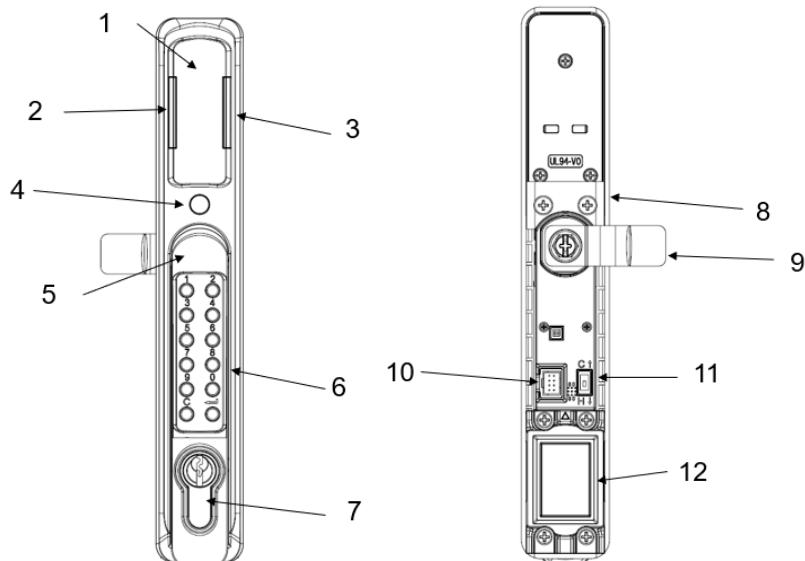# Smart Rack Handle with Integrated Humidity Sensor & Keypad

USER MANUAL

ACF06L

1. RFID Reader
2. Beacon Right LED
3. Beacon Left LED
4. Status LED
5. Handlebar
6. Keypad
7. Tumbler
8. Top Mounting Bracket
9. CAM

10. Cable Harness Interface
11. Aisle Selector Switch
12. Bottom Mounting Bracket

FEATURES

- Door access and control monitoring
- Dual Authentication (RFID reader + Keypad)
- 125 kHz low frequency card reader
- 13.56 MHz high frequency card reader
- Supports 200 authorized users
- Integrated Humidity Sensor
- Panduit cabinet compatibility

Smart Rack Handle with Integrated Humidity Sensor & Keypad

BEACON LED:

Provides the health of the cabinet at a glance. Will flash yellow for minor alarm or flash red for critical alarm. Also features a locate function to manually flash the beacon to easily locate the cabinet.

Beacon LED Cabinet Health	State	Color	Purpose
Locate:	Blinking	Blue, Green, Yellow, Red, White, Magenta	Identifies rack location via user command (customizable)
Critical Alarm:	Blinking	Red	Any critical alarm in the system (not customizable)
Warning Alarm:	Blinking	Yellow	Any warning alarm in the system (not customizable)
Normal State:	Solid	Blue, Green, Yellow, Red, White, Magenta	Visual indicator on the handle (customizable)

*Beacon LED default is on solid green

STATUS LED:

Provides visual indication for authentication, lock state, key usage, or handle state.

Status LED Security State	Description
Standby – Solid (or off):	Customer selectable color in standby state (customizable)
Red – Blinking:	Blinks three times signaling authentication error (not customizable)
Green – Blinking:	Lock open (not customizable)
Magenta – Blinking:	Key used to unlock, or mechanical handle lifted away from base (not customizable)
Yellow – Blinking:	Handle open past Door Open Time (not customizable)
Red – Solid:	Lock open for longer than Autolock Time (look for obstruction – not customizable)
Red – Solid:	Door open for longer than Door Open Time (door sensor – not customizable)

*Status LED default is on solid green

Smart Rack Handle with Integrated Humidity Sensor & Keypad

RFID READER:
The Smart Rack Security Handle can read both low frequency (125 kHz) and high frequency (13.56 MHz) cards for authentication. Simply swipe the card within the card proximity distance (0-0.8 inches).

The Smart Rack Security Handle supports the decoding of data flow in the following supported RFID standards:

MIFARE CLASSIC 4K
MIFARE PLUS 4K
MIFARE DESIRE 4K
MIFARE CLASSIC 1K
HID i-Class
HID 125 kHz PROX
EM 125 kHz PROX

KEYPAD:
The keypad provides authentication through PIN entry. Keys 0-9 are for the PIN code. Enter anywhere from 1 to 16 digits on the keypad for the PIN code and hit the enter button (↵). Press the C button to clear out any PIN.

MECHANICAL LOCK:
1. Insert the key into the tumbler and turn it clockwise
2. Lift the handlebar up and rotate 90 degrees to the right.

Note: Right is the pre-configured Handle rotation. Reverse the direction of the rotation limiter to configure the handle to rotate to the left.

MECHANICAL UNLOCK:
1. Lift the handlebar down to the 0-degree position and secure it into the base of the chassis.
2. Insert the key into the tumbler and turn it counterclockwise

Smart Rack Handle with Integrated Humidity Sensor & Keypad

ELECTRONIC LOCK:
Electronic Lock can be initiated remotely with a compatible PDU or UPS. When the command is sent, the electronic motor will turn allowing the latch to fully extend and lock the Handle.

ELECTRONIC UNLOCK:
Electronic Unlock can be initiated remotely with a compatible PDU or UPS. When the command is sent, the electronic motor will turn, allowing the latch to fully retract and unlock the Handle.

AISLE SELECTOR SWITCH:
Allows for the configuration of the Handle to be either hot aisle or cold aisle depending upon where the device is installed in the cabinet.

HANDLE ROTATION:
The default handle rotation is 90 degrees counterclockwise (to the right). To make the handle rotate to the left, follow the steps listed below.

1. Remove the CAM with a Phillips screwdriver.
2. Take out and insert the rotation limiter and install it in the opposite direction.
3. Re-insert the CAM over the rotation limiter.

CONFIGURATION & COMPATIBILITY:
The Smart Rack Security Handle can be configured with a compatible Panduit PDU or UPS with the included cable harness.

Smart Rack Handle with Integrated Humidity Sensor & Keypad

WARNINGS:

⚠️Use only in dry locations. Indoor use only.

⚠️ Caution:

The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s) and Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) L'appareil ne doit pas produire de brouillage;
(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

Smart Rack Handle with Integrated Humidity Sensor & Keypad

FCC& IC Radiation Exposure Statement:
This equipment complies with FCC and Canada radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Déclaration d'IC sur l'exposition aux radiations:
Cet équipement est conforme aux limites d'exposition aux radiations définies par le Canada pour des environnements non contrôlés. Cet émetteur ne doit pas être installé au même endroit ni utilisé avec une autre antenne ou un autre émetteur.

If you have any question, please contact Panduit Customer Service: **cs@panduit.com** or 800.777.3300