



EVERSWITCH iCLASS™ PROXIMTY READ PLUS KEYPAD

Model: **ASHKB**

Output formats- **iCLASS** Card - Wiegand 26
 - Keypad: - 8 Bit

Power Supply : 10 - 16 VDC reverse voltage protected

Power Consumption: Ave. 70mA Peak 250 mA

Transmitter/Receiver frequency: 13.56 Mhz

Mounting: Universal USA and EUROPE

Environment: IP68 ; 100% relative humidity

Operating Temperature: - 20 to + 70°C

Dimensions: 120 x 90 x 25 (4.72 / 3.54 / 1.00)

Antitamper Optical protection

Certifications:

Operation Modes:

The **iCLASS** reader is equipped with 2 electronically interlocked devices. The **iCLASS** Proximity Reader and the Piezoelectric Keypad.

The **iCLASS** reader supports the following operation modes:

1. **Prox – Pin.** Present **iCLASS** Prox card. The unit will read the content and send it over the Data wires to the Controller. Enter PIN code. The unit will send the PIN code over the same Data wires to the host. The Keypad and the Prox reader are interlocked so that when one is functioning the other is inhibited until the data is transmitted.
2. **Prox Only.** The prox electronics is independently communicating via Data wires.
3. **Keypad only.** The keypad electronics is independently communicating via Data wires.

Verification

Power up the unit. The buzzer will beep once . In the same time the RED or the Green LED will come ON depending on the Central Controller setup. Present a valid HID encrypted **iCLASS** card at 2.5 cm distance maximum. The unit will activate the Buzzer once and the illuminated LED will blink. Enter a key . The unit will activate the Buzzer once.

Wiring Recommended cable is ALPHA 1295 (22AWG) 5-conductor stranded with overall shield or equivalent.

COLOR	FUNCTION	ELECTRICAL FUNCTION
RED	Input Voltage	10 VDC - 16 VDC
BLACK	Ground	
GREEN	Data 0	Open collector 1Kohm pull-up to internal +5V
WHITE	Data 1	Open collector 1Kohm pull-up to internal +5V
BROWN	LED Input	
BLUE	CCTV output	Open collector 0,150 mA activated with each key for 30 sec
VIOLET	Housing Ground	
ORANGE	Buffered Input	
GREY	Tamper Output	Open collector 0,100 A "Low" when light sensed

1. **Blue Wire -** PRESSING any key on the keypad will generate a 30 seconds 0.25 amp permanent duty grounding output.
2. **Orange Wire -** When the Hold Line, Orange wire, is pulled "low", the iClass data communication is inhibited.
3. **Grey Wire -** When the photodiode senses ambient light the wire is pulled "LOW"

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.

Changes or modifications to this equipment not expressly approved by the party responsible for compliance Baran Advanced Technologies (86) Ltd. could void the user's authority to operate the equipment.

This product satisfies the requirements of :

FCC 47 CFR:2002 part 15, subpart C sections 15.225, 15.207 and subpart B, class B.