

VR4KBIO

VR4K
SERIES

Vandal Resistant 4000 series biometric fingerprint reader with RS485 bus and Wiegand output for the Portal Plus access control system



Vandal Resistant 4000 series biometric fingerprint reader module

The **VR4KBIO** is a capacitive Wiegand biometric fingerprint reader for access control applications. It offers a storage capacity up to 9500 fingerprints with 1 - 10 fingerprints per user.

It includes a tri-colour halo LED: green for accept/access granted, red for access denied and amber when idle, providing the user with clear indication of the status of the reader.

Vandal Resistant front fascia

316 grade vertically brushed stainless steel front fascia.

Module protections

IK09 impact protection and **IP55** ingress protection (front fascia). **IP40** ingress protection for the biometric enclosure.

High fingerprint storage capacity

Up to 9500 stored fingerprint capacity with up to 10 fingerprints per user.

Audible and visual feedback

Reassurance tones and tri-colour status indication halo LED (green, red & amber).

Wiegand protocol & RS485 bus

Wiegand 8 - 128bit (26bit default) protocol and includes an RS485 bus output.

Tamper protection

Anti-tamper inputs.

4000 series modular design

Robust modular design compatible with all 4000 series surface and flush back boxes.



BIOMETRIC



IK09



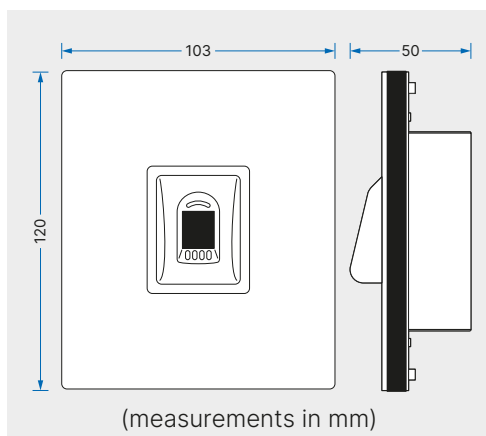
IP55



IP40



THE POWER TO SECURE



Technical characteristics

	VR4KBIO
Description	Vandal Resistant 4000 series biometric fingerprint reader that can be integrated with the Portal Plus access control system.
Materials	12 gauge (2.5mm thick) 316 marine grade vertically brushed stainless steel.
Module protections	IK09 impact protection, IP55 ingress protection and IP40 ingress protection for the biometric fingerprint enclosure.
Halo LED adjustment and reassurance tones	Yes: the halo LED back light (amber when idle/standby) can be enabled (default) <u>or</u> disabled, the audible tones can be enabled (default) <u>or</u> disabled when configuring the reader through the PROS CS (Portal Plus) software.
Status indication halo LED	Tri-colour halo LED: when green = accept/access granted, when red = access denied and when amber = reader idle/standby.
Configuration and programming	Reader configuration and programming is carried out via the PROS CS (Portal Plus) software when the reader is connected to an EWS/EWSi controller. Can also be configured through the BIOMANAGER software when used with 3rd party access control systems.
Fingerprint capacity, per user and sensor	Up to 9500 fingerprint storage capacity with 1 - 10 fingerprints per user. Capacitive fingerprint sensor.
Fingerprint enrolment	Directly on the fingerprint reader <u>or</u> using the desktop fingerprint reader (BIOPROX-USB) via the PROS CS (Portal Plus) software when the reader is connected to an EWS/EWSi controller.
Operating protocol	Wiegand: 8 - 128bit, default set to 26bits.
Terminal connections	Power input: +12V/GND , tamper input: 2x TAMP , Wiegand: DO/D1 , RS485 bus: A/B and red/green halo LED indication: LR-/LG- .
RS485 bus	Yes: A/B terminals, used for fingerprint template transfer and reader configuration.
Anti-tamper inputs	Yes.
Module Size	1 module 4000 series: 103 (W) x 120 (L) x 50 (D) mm.
Working voltage	9-14Vdc power input (powered directly from the EWS/EWSi controller).
Current rating	100mA (max.).
Working temperature	0° ~ +40°C.



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