

VR4KPPM

VR4K
SERIES

Vandal Resistant 4000 series Wiegand proximity reader for the Portal Plus & S-Prox (SC24000) access control systems

Portal
Plus



S-PROX

Vandal Resistant 4000 series Wiegand proximity reader module

The **VR4KPPM** is a multi-protocol RFID, EM4102/EM4200 (125kHz) proximity reader for the **Portal Plus** and **S-Prox (SC24000)** access control systems.

It includes three status LEDs: 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). **IP65** ingress protection for the reader enclosure.

Compatible proximity fob/card types

EM4102/EM4200 PBX-1E (grey fob) and PBX-2 (white ISO card).

Audible and visual feedback

Reassurance tones and three status indication LEDs (green, red & amber).

Supported protocols

Wiegand 26bit - 40bit, clock/data and CODIX protocols (Wiegand 26bit default).

Operating frequency & read range

125kHz with a read range 8 - 10cm.

4000 series modular design

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



IK09



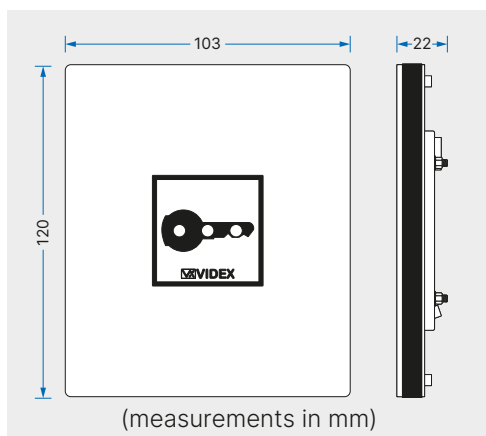
IP55



IP65



THE POWER TO SECURE



Technical characteristics

	VR4KPPM
Description	Vandal Resistant 4000 series RFID, EM4102/EM4200 Wiegand proximity reader that can be integrated with the Portal Plus and S-Prox (SC24000) access control systems.
Materials	12 gauge (2.5mm thick) 316 marine grade vertically brushed stainless steel.
Module protections	IK09 impact protection, IP55 ingress protection (for the front fascia) and IP65 ingress protection for the reader enclosure (the main reader has resin potted electronics).
Access control CPUs	PPCU2 (EWS/EWSi controller) Portal Plus and S-Prox (SC24000) access control CPUs.
Status indication LEDs	Three status LEDs: when green = accept/access granted, when red = access denied and when amber = reader idle/standby.
Supported protocols	Wiegand 26bit (default) to 40bit), CLOCK & DATA and CODIX protocols.
Compatible proximity fobs/cards	Fobs include: PBX1E (grey ABS fob, EM format 125kHz) and PBX1E-LG (grey ABS fob with custom logo, EM format 125kHz). Cards include: PBX2 (thin ISO card, EM format 125kHz) and PBX2C (thick ISO card, EM format 125kHz).
Fob/card programming	Programming of the proximity fobs/cards is carried out through the PROS CS (Portal Plus) software when the reader is connected to an EWS/EWSi controller, using the desktop USB reader (PROX-USB) via the PROS CS (Portal Plus) software <u>or</u> via a combination of master & shadow programming cards when the reader is connected directly to the S-Prox (SC24000) CPU.
Op. freq. & read range	Operating frequency 125kHz and read range from 8 - 10cm.
Terminal connections	Terminals: 1 = +LR, 2 = -LR (red LED, access denied), 3 = +LG, 4 = -LG (green LED, access granted), 5 = D1 (data), 6 = D0 (clock/data), 7 = - (GND), 8 = + (12Vdc).
Module Size	1 module 4000 series: 103 (W) x 120 (L) x 22 (D) mm.
Working voltage	12Vdc, powered directly from the EWS/EWSi controller <u>or</u> S-Prox (SC24000) CPU.
Current rating	30 - 40mA (max.).
Working temperature	-15° ~ +50°C.

Proximity Fobs and Cards



PBX1E or PBX1E-LG



PBX2



PBX2C



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