# VR4KVPM

VR4K SERIES

Vandal Resistant 4000 series VProx EM proximity reader for the VProx access control CPUs

VPROX

## Vandal Resistant 4000 series EM proximity reader module

The **VR4KVPM** is an EM (4002/4100, 125kHz) proximity reader for use with the full range of **VIDEX VProx** access control CPUs.

It includes a tri-colour 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).

## Compatible VProx CPUs

VP20, VP100, VP250, VP1000, VP4000 CPUs & 1000A expansion reader modules.

## Compatible proximity fob/card types

EM 4002-4100, 125kHz fobs/cards.

## Audible and visual feedback

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

## Operating frequency & read range

125kHz with a read range of up to 5cm.

## 4000 series modular design

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

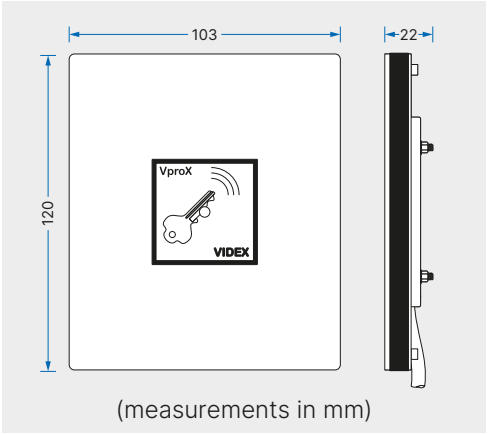
PROXIMITY

IK09

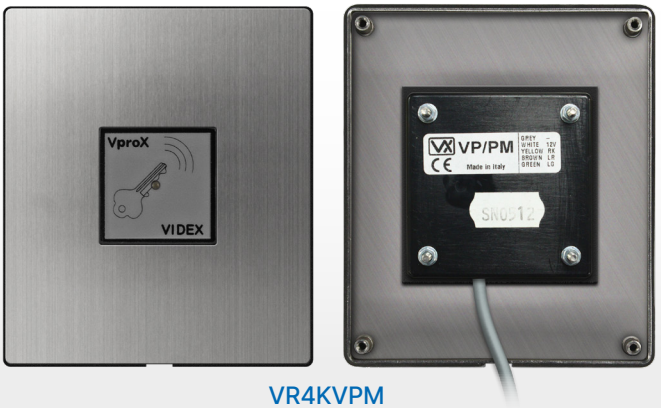
IP55

VIDEX®

THE POWER TO SECURE




(measurements in mm)




VR4KVPM

## Technical characteristics

| | VR4KVPM |
|---|---|
| Description | Vandal Resistant 4000 series **EM** (4002/4100, 125kHz) proximity reader that can be used with the full range of **VIDEX VProx** access control CPUs (see below). |
| 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). |
| Status indication LED and reassurane tones | Tri-colour LED: when **green** = accept/access granted, when **red** = access denied and when **amber** = reader idle/standby with internal audible buzzer. |
| Compatible proximity fobs/cards | EM format 125kHz fobs include: **955/T** (blue), **955/B** (black), **955/R** (red), **955/Y** (yellow) and **955/G** (green). Cards include: **955/C** (thin ISO card, EM format 125kHz). |
| Fob/card programming | Programming of the proximity fobs/cards is carried out directly through the **VProx CPU**. Programming can also be carried out via the **VProx** Windows PC software (for the **VP1000**, **VP4000** and **1000A** only). |
| Compatible VProx CPUs | **VP20** (1 door, 20 fobs/cards), **VP100** (2 doors, 100 fobs/cards), **VP250** (3 doors, 250 fobs/cards), **VP1000** (4 doors expandable up to 30 main doors, 1000 fobs/cards), **VP4000** (4 doors expandable up to 30 main doors, 4000 fobs/cards) and **1000A** expansion reader modules. |
| Operating frequency | 125kHz. |
| Read range | From 1 - 5cm. |
| Pre-wired cable connections | Cable wires: **-** (0V/GND grey wire), **12V** (12Vdc white wire), **RK** (data yellow wire), **LR** (red LED, access denied brown wire) and **LG** (green LED, access granted green wire). |
| Module Size | 1 module 4000 series: 103 (W) x 120 (L) x 22 (D) mm. |
| Working voltage | 12Vdc power input (powered directly from the **VProx CPU**). |
| Current rating | Standby: 80mA, during operation: 120mA (max.). |
| Working temperature | -20° ~ +60°C. |

## Proximity Fobs and Cards

| 955/T | 955/B | 955/R | 955/Y | 955/G | 955/C |
|---|---|---|---|---|---|

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