

IPC-ORION V2

Orion V2, Door controller

DESCRIPTION

The Orion V2 is a compact door controller that connects card readers, electric locks, door contacts and detection sensors to the IPROTECT access control system. It mounts on a DIN rail and communicates with the Pluto network controller. Rated from -25 °C to +65 °C, it works just as well in a technical room as in an unconditioned industrial space.

FEATURES

On-board real-time clock and memory for calamity storage

Suitable for high-temperature environments

Virtually zero downtime during maintenance

Ease of installation, DIN-rail mounting

Improved shock resistance

Made in EU



What makes the Orion V2 smart?

The Orion V2 continuously measures its own supply voltage, the power drawn by each card reader and the load on its outputs. It detects whether a lock is actually connected, and recognises a short circuit or a current surge the moment it occurs.

Every one of these observations is reported to IPROTECT, so a failing lock or a damaged cable appears as a message in the system rather than as a door that no longer opens. The full-colour status indicator shows the same information on the controller itself, at a glance.

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Housing	
Measurements	110 x 47 x 93 mm (L x W x H)
Weight	289g

Mounting	
Dinrail	35 mm (NEN-EN 50022)

Communication	
2 Card reader ports	RS485 (RJ45)
1 Orion extension bus	RS485 (Terminal block)

Readers*	
2 Card reader power	12 VDC (500mA)
2 Legacy communication interface	ClkData, cable length up to 50 meters
	Wiegand, cable length up to 120 meters

Power Supply & consumption	
Voltage	12/24VDC (accepted range 10 – 28VDC)
Maximum power loss	1W@12VDC, 2W@24VDC
Maximum power supply current	7A max

Outputs	
4 Digital outputs	Open drain (28VDC, 500mA)
2 High power outputs	Open drain (28VDC, 2A)
2 Relays	Change-over contact, SPDT (28VDC, 1A)
2 E-fused power outputs (to supply loads)	High side e-fuse (2A, voltage follows input power supply)

Inputs	
6 Analog inputs	Digital/resistor mode (0 – 65k ohm)
2 Digital inputs	Switch to GND (<9K ohm)

Environment sensor	
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Indicators	
Visual & Sound	RGB LED & Multitone buzzer

Environment	
Usage	Indoor
Temperature / Humidity	-25°C to +65°C (20 ~ 90% RH non-condensing)
Storage temperature and humidity	-40 ~ +85°C (10 ~ 95% RH non-condensing)
Certifications	CE compliant (EN IEC 62368-1, EN 55032, EN 55035, EN 50130-4, EN 61000-3-2, EN 61000-3-3)







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Pluto Network controller



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