entroStar®

ACCESS CONTROL THE WAY FORWARD

EntroStar is the world's first PoE/PoE+ native BACnet access control unit making this ground breaking system the way forward in access control. It is designed to work with the licence-free EntroWatch software or any third-party BACnet compliant system.

FEATURES

- Native PoE/PoE+

- 2 door 4 reader (2 doors with IN/OUT readers)

- RJ45 reader connection

- True Plug and Play operation

- Advanced diagnostic LEDs

- BACnet open protocol

- Optional metal cabinet and PSU

- Battery backup

EntroStar is a state of the art PoE/PoE+ access control panel that supports reader in/reader out configuration on 2 doors.

A NEW APPROACH TO ACCESS CONTROL

TRULY THE WAY FORWARD IN ACCESS CONTROL

EN-DC-0001P

EN-DC-0002P

EN-DC-0003P

➲ TECHNICAL

Processor
208 MHz Arm 9 Processor

Memory
256 Mb NAND Flash & 128 Mb DDRAM

Power Requirement
PoE/PoE+ (IEEE 802.3at/IEEE 802.3af)
PoE/PoE+ power consumption (EntroStar only) 3.5W
DC: 14V (+10%/–25%) 50W (max)
Note: DC input incorporates reverse polarity protection

Card Reader Ports
4 wiegand ports via RJ45 sockets
Optional RJ45/screw terminal adapter (EN-RA-0001P)

Supported Reader Formats
Configurable industry standard Wiegand output format
facility

Card Capacity and Event Buffer
Up to 100,000 cards and 100,000 events as standard

Digital Inputs
9 off monitored (4 state supervised)
1 optical tamper

Output Relays
4 N/O contacts rated 2A @ 30V DC

Host Communications
10/100 Ethernet auto-switching

Dimensions (mm)
215(W)x135(H)x27(D) Controller only
426(W)x300(H)x83(D) Metal Cabinet

Supported Configurations
Up to 2 doors reader IN/reader OUT per control panel
Up to 2 bidirectional turnstiles per control panel

Supported Protocol
Native BACnet (ANSI ASHRAE 135-2010)

Power Available for External Devices
PoE: 7.2W (min) 9.3W (max) total
PoE+: 17.7W (min) 24.9W (max) total
DC: 45W (max) total
Note: Each Output A/Output B pair is limited to 800mA
(PoE/PoE+) and 1.5A (DC)
Each reader port is limited to 500mA @ 25°C de-rated
to 300mA @ 70°C

Environmental Specification
Temperature Range: -40°C to + 70°C
Humidity: up to 93% at +40°C non-condensing
Housing: UL94 V-0

Declaration of Compliance
EntroStar is certified to EN55024, EN55022 and
EN60950-1 in accordance with the '2006/95/EC Low
Voltage' and '2004/108/EEC EMC' directives and has
been designed to be compliant with UL294 and UL1076

Ordering Information

Part Number	Description
EN-DC-0001P	EntroStar Controller 4 Rdr
EN-DC-0002P	EntroStar Controller 4 Rdr, Metal Cab
EN-DC-0003P	EntroStar Controller 4 Rdr, Metal Cab, PSU
Accessories	
Part Number	Description
EN-RA-0001P	RJ45/Screw Terminal Adapter
EN-RN-0001P	Input Termination Unit
EN-RN-0001P	Lock Suppression Diode Assembly

FOR MORE INFORMATION ABOUT ENTROSTAR

Call: +44 (0) 1244 286 495

or visit **entrowatch.com**

Security Management
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Remsdaq Limited, Parkway, Deeside Industrial Park,
Deeside, Flintshire, CH5 2NL United Kingdom
remsdaq.com

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