

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-SD-0001P	Lock Suppression Diode Assembly

FOR MORE INFORMATION ABOUT ENTROSTAR

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