



PRODUCT CODE: 0623070

DESCRIPTION: Volo 2 Reader ACU-Expansion

OVERVIEW:

VOLO Cloud Based Access Control is a highly scalable and flexible cloud based access control solution, specifically designed to offer centralised control and remote management of multi-site premises and operations. With connectivity achieved over either the LAN or 2G GSM/GPRS mobile network.

With scope for over 100,000 users per controller and over 10,000 sites all connected around the flexibility of a LAN or 2g GSM/GPRS mobile connection, VOLO provides

seamless integration of the most remote and separate site locations and applications.

VOLO's connection options of LAN or 2g GSM/GPRS offer huge flexibility in terms of access to remote locations whereby power is the only service required for VOLO to operate. This is further enhanced by offer real cost savings versus the alternatives of installing ADSL or Fibre. The ACU will store up 4,000 events locally in the event of a loss of connection to the Amazon Web Services Cloud, ensuring no loss of event data.

FEATURES:

- 2 Door/Reader controller
- Open protocol to allow any Clock and Data or Wiegand* reader to be connected (*upto 64 bit)
- 24 Expansion controllers can be connected to 1 Master controller
- Connection to Master controller via RS485 – upto 1Kkm distance
- Over 10,000 sites
- Over 100,000 users
- 128 Timezones available
- 512 Access levels available
- Full reporting suite – Available on demand or automatic set delivery
- Full LED Indications
- Accessible via any web browser from any Internet enabled device
- Open REST API available to allow 3rd party software interface
- Designed and manufactured in the UK.





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FEATURES	
Web browser	IE, Firefox, Chrome, Safari
Sites/connections	10,000+ connecting to cloud
Doors	10,000+ with 2 door controllers
Communication options	Ethernet or GPRS up to 50 doors per master controller
Users	100,000+ per controller
Alarm notification	On Screen by email
Time zones	128 per site
Holidays	16 per site
Access levels	512 per site
Activity reports	Weekly, monthly, daily
LED indications	Power, unlock, modem OK and diagnostics

INPUTS	
Readers/keypads	Clock and Data, Wiegand (Upto 64 bit) and custom format
Door contact	Normally closed
Monitoring (sabotage)	Normally closed
PSU (fail, on battery)	Normally closed
Tamper (cabinet)	Normally closed
4 spare inputs (customer definable)	Configurable normally open or closed or analogue (supervised inputs)

CABLE	
Cable Type	Distance
Belden CR 9538 (8 core)	Up to 25m (reader to controller)
Belden CR9540 (10 core)	Up to 100m (reader to controller)
Belden Cable CR 8132 (2 Pair)	Up to 1000m (master controller to slave controller)

CABINET	
Material	Plastic
Width	236mm (9 1/8 in)
Height	320mm (12 5/8 in)
Depth	80mm (3 1/8 in)

PARTS	
Description	Strategix Code
VOLO 2 Door ACU – Master c/w modem, SIM and 2 AMP PSU	0623060
VOLO 2 Door ACU – Expansion c/w 2 AMP PSU	0623070
VOLO Hosting License 1 year	0697330
VOLO Airtime License 1 year	0697340

OUTPUTS	
2 x lock relays	24V DC 4A max
2 x spare outputs (customer definable)	12V 0.5A max

ELECTRICAL	
Supply	100-240V AC 50/60Hz or 12/24V 2A AC/DC
Power consumption	2A max @12V, 500mA typ @12V
Temperature	32° to 120° F, 0°C to 55°C
PSU	12V DC 2A with charger
Battery backup	12V 7AH (not included)
Mobile network	Any GSM/GPRS
SIM/mobile contract	GPRS 5MB min, VPN
Antenna	GSM/GPRS, SMA female, T bar provided
Integrated modem (master only)	Quad band GSM/GPRS
Ethernet	10/100 Mbps (controller to controller)
RS485 dataline	1000m max
EMC	CE (R&TTE), FCC
Safety	EN60950

