X100

Two door four reader expansion module

Key Features

- Up to 4 OSDP readers:
    - REX (request to Exit), 7x inputs and 4x Form−C Relay outputs
    - Bi−directional reader OSDP/Secure OSDP communication support
- IO Module Encryption
    - Enhance security between intelligent controller and IO modules with 256 AES encryption
- High Amp Relays
    - Ensure controller protection from power hungry locks and enables wider choice of egress hardware
- User friendly LEDs highlight the reader and Relay statuses
- LEDs also provide a status showing communications between the system, if the module is powered, if there is a battery fail, AC fail or tamper or if inputs are active

X100

Two Door Expansion Reader Module

Part Number	X100A−H003
Input Voltage	12 to 24Vdc +/− 10%, supporting loop through power with a dedicated connector
Maximum Input Current	1.5A (340mA excluding readers and USB)
Intelligent Controller Communication	2−wire RS−485 38,400bps asynchronous communications
Inputs	7 supervised/unsupervised (Tamper, AC Fail, Battery fail, 2x Door Lock and 2x AUX), standard EOL: 1k/1kΩ
Outputs	4 Relays, Form−C with dry contacts, Max recommend, rated @ 3A 30Vdc / 10A 250Vdc
Reader Power	12Vdc +/− 10% regulated, 500 mA maximum each reader
OSDP Mode	9600bps, asynchronous, half−duplex, max cable 2000ft (609.6m)
LED Output (Wiegand)	Open Collector, 12Vdc open circuit maximum, 40mA sink maximum
Beeper Output (Wiegand)	Open Collector, 12Vdc open circuit maximum, 40mA sink maximum
Operating Temperature	32°F ~ 158 °F (0°C ~ 70°C)
Humidity	5 to 85% non−condensing
Storage Temperature	−67°F ~ +185 °F (−55°C ~ +85 °C)
Dimension	6.46" x 5.51" x 1.02" (164mm x 140mm x 26mm)
Weight	342g
Certifications	Certification: FCC Part 15 Subpart B, CE, BSMI, IC, AS/NZS, TCVN, KCC Safety: UL−294, IEC 62368−1, CB Scheme Hazardous Substances: RoHS (2011/65/EU & 2015/863), EU REACH (1907/2006), California Proposition 65
HS Code	8537.10.9
ECCN	EAR99

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com
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