



DOORWATCH

REDEFINING DOOR
SECURITY



Enhanced Security by creating
an additional electronic barrier



Access Control
enhancement



Anti-Tailgating



An essential part of any
Security Design



Expandable sizing to suit
every site application



Cost effective Security
Enhancement



ISO/IEC TS 22237-6
Compliance Enhancement

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www.valyr.com.au



Facility Perimeter Protection

Complete Door Monitoring

Valyr's DoorWatch is an advanced security solution that redefines access point protection in data centers and secure facilities. Designed to attach to traditional doors or operate as a standalone virtual barrier, DoorWatch uses light curtain technology to create an intelligent, responsive security layer at critical entry and exit points.

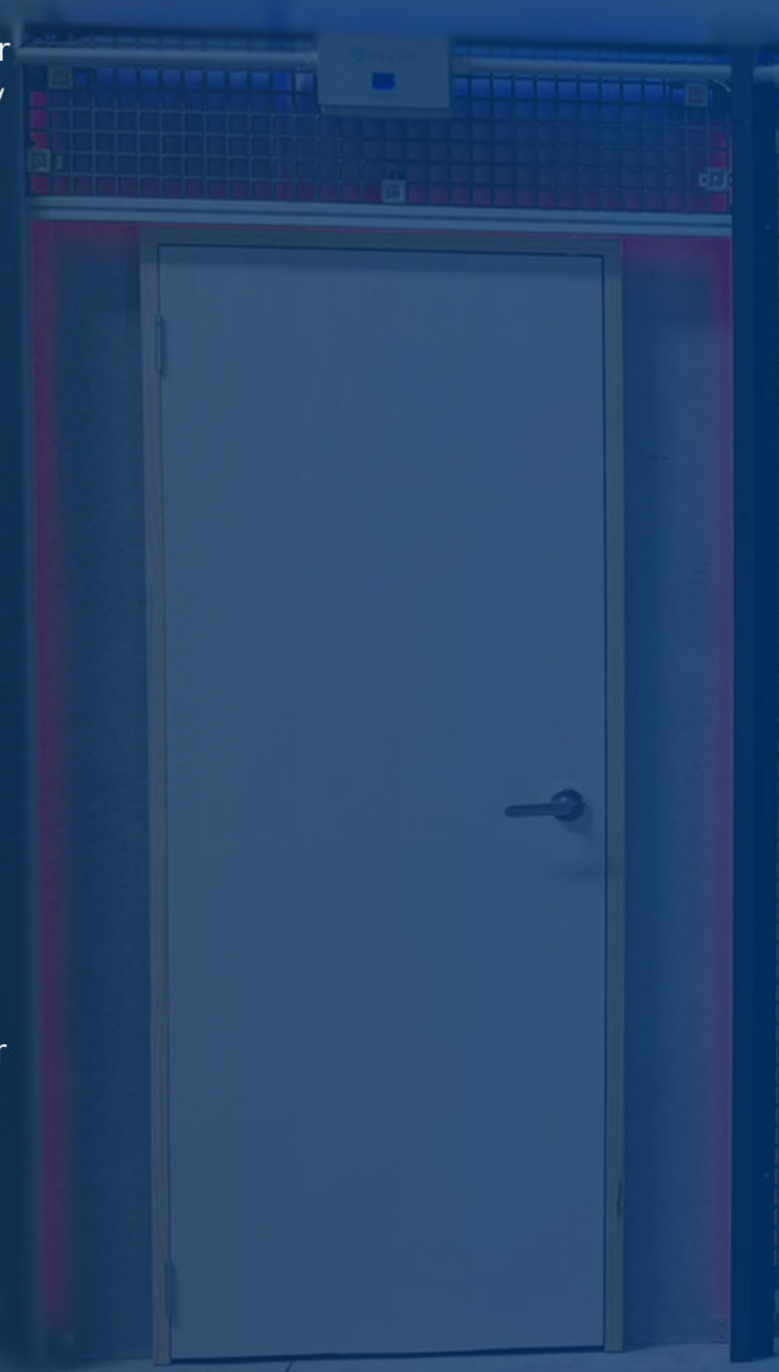
Comprehensive Door Protection: Unlike traditional reed switches that only detect door openings, DoorWatch forms a light mesh array across the door. This prevents tampering and detects breaches such as cutting through the door itself, ensuring complete protection.

Virtual Barrier Capability: DoorWatch can function without a physical door, acting as a virtual electronic barrier at areas like the end of a data hall aisle. This flexible application provides security where physical doors may not be practical, enhancing overall facility protection.

Access Isolation and Authorization: Intelligent isolation features allow doors to be secured and de-isolated seamlessly, enabling controlled access for authorized personnel. LED indicators provide immediate status updates, streamlining access management.

Standalone or Integrated Operation: DoorWatch can be deployed independently or integrated with existing access control systems, ensuring compatibility with your security infrastructure.

With DoorWatch, Valyr offers precise, adaptable protection that transforms every door or access point into a secure barrier, safeguarding critical areas from unauthorized intrusion.



Datasheet Information

Modes	3 modes of operation: RackWatch, CageWatch, DoorWatch.
No. of Light Curtains	standard 2 light curtain sets, expandable up to 4 light curtain sets (using external power supply)
I/O Functionality	alarm output Dry contact NC, NO, COM, 3 x LED outputs - RED, GREEN, BLUE either JST or screw terminals 3 inputs for various controller mode functionality. JST output for expansion board connectivity
System Integration	low level interface with third party I/O interface
Events	alarm, isolation, armed
Tamper detection	removal of unit cover/tamper front removal of unit casing from wall/tamper dry contact NO, NC, COM
Event actions	output activations, status LEDs
General	
Casing	colour: grey for repainting instructions of skin cover or casing and impact on warranty, contact your Valyr partner
Sustainability	PVC free
Power	Power in: 12 V DC, max 500mA (not supplied with controller) Controller: 30mA, Controller + 2xLC: 110mA
Connectors	Terminal blocks: DC Power, 3 inputs/2 outputs, 4x LED colours, Light curtain RX/TX x 2 JST sockets: 2 x Light Curtain TX connections 2 Light Curtain RX connections, 1 LED connection Barrel Jack 12 V DC IN
Cable requirements	DC power IN: AWG 18-16 I/O as inputs: AWG 28-16, qualified for third party controller requirements I/O as outputs: AWG 28-16, qualified for third party controller requirements LED bar lighting: AWG 16-12 (for optional VAL-CW-HWLED-KIT, VAL-CW-VWLED-KIT)
Operating Conditions	-20°C to +55°C (-20°F to +131°F) humidity 20-85% RH (non-condensing)
Storage Conditions	-20°C to +55°C (-20°F to +131°F)
Approvals	FCC, EMC
Dimensions	236 x 120 x 25mm (8.66" x 4.72" x 1")
Weight	280gm (.6 lb)
Included Accessories	VAL-CW-CTRL001, VAL-CW-CTRL002
Optional Accessories	VAL-DW-CTRL005 VAL-LC-7.2x2.4-KIT VAL-CW-SWM-001 VAL-CW-SDM-001 VAL-CW-DLED-KIT VAL-CW-VWLED-KIT VAL-CW-HWLED-KIT VAL-CW-SP001
Warranty	12 month warranty, see Valyr.com.au/warranty