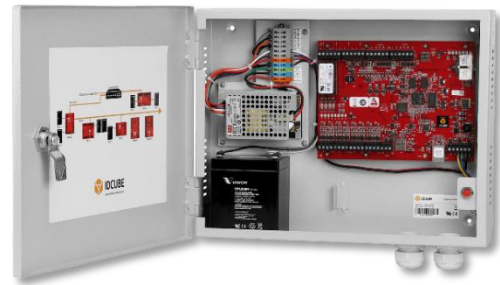


Access Output Interface Panel (MMR) ICMMR-16OUT



Reference image only*

The IDCUBE's new MMR Series Serial Input / Output (SIO) panels enable system expansion of MLP series intelligent controllers as part of its distributed architecture. The enhanced modules offer an improved processor and increased memory, plus feature an embedded crypto memory chip that provides a secured layer of encryption to onboard sensitive data.

The ICMMR-16OUT panel comprises of an Authentic Mercury MR Series Intelligent output interface MR-16OUT along with optional accessories, i.e., UL certified power supply, charging circuit, battery and a tamper switch.

ICMMR-16OUT support 16 general purpose outputs as Form C relay contacts. It also provides individually configurable parameters that can be set for timing and for fail-safe versus fail-secure modes. The ICMMR-16OUT is configurable to control a variety of outboard devices for general facility control such as lighting, heating/cooling, door and elevator control. Devices can also be activated by the condition of selected system devices, either locally or regionally, without host intervention.

KEY FEATURES

16 programmable outputs as Form C relay

AES 128/256 bit data encryption for optimal data protection

UL 294 recognized, CE compliant, FCC, RoHS

Initiates commands by operator, by time schedules, or by events

Easily integrates lighting, heating/ cooling, door or elevator control systems

RS-485 host connectivity

Built-in capacity to control and respond to external device commands

Embedded crypto memory chip provides secured layer of encryption to protect sensitive data

Allows the clustering of up to 16 uniquely monitored devices easily and compactly

The high performance and reliable hardware seamlessly integrates with IDCUBE's Access 360 and INEST applications

*The panel image illustrates component assembly and may not represent the actual controller board

APPLICATION NOTES

The ICMR-16OUT is an essential component to support IDCUBE’s flexible, building-block approach to access control system design. The versatile ICMR-16OUT offers unmatched power to broaden the range of devices and building controls (such as lighting or HVAC) that can be included in system design.

Relay operation can be initiated by direct operator commands, by time schedules, or by event-based procedures. The relays support “On,” “Off,” and “Pulse” commands. A pulse can range from 0.1 seconds to over 18 hours.

TECHNICAL SPECIFICATIONS

Characteristic	Parameter
Primary Power	12-24 Vdc +/- 10%, 1100mA maximum
Host Communication	RS-485, 2-wire, 4,000’ (twisted pair with shield, Belden 9841)
Inputs	2 Dedicated: Tamper and Power Monitor
Output Relays	Sixteen Form-C Relays: Normally open contact (NO): 5A @ 30 Vdc resistive Normally closed contact (NC): 3A @ 30 Vdc resistive
Dimensions	6.0” W x 8.0” L x 1.0” H (152mm W x 203mm L x 25mm H)
Temperature	0-70 °C operational, -55-85 °C storage
Humidity	5 to 95% RHNC
Standards	UL 294 recognized, CE compliant, RoHS, FCC Part 15 Subpart B
Part code	ICMMR-16OUT-EXXXXXX ¹ (Mercury Controller Part number: MR16OUT)

¹ EXXXXXX refers to enclosure type along with accessories such as power supply, charging circuit, battery, and tamper switch; Please refer enclosure datasheet for details



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