

UltraSync™ Relay Expansion Modules

UM-R4 & UM-R10

OVERVIEW

The UM-R4 and UM-R10 Relay Expansion Modules add relay output capability to the UltraSync™ Modular Hub security panel.

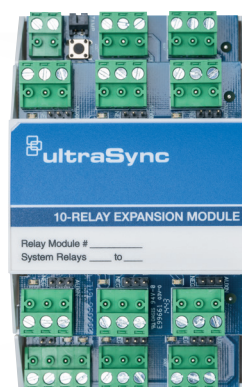
To simplify the installation process, modules can be remotely located via an encrypted RS-485 bus. Simple enrollment options eliminate the need to manually set the module address, further reducing installation complexity and time.

The modules feature Single Pole Double Throw (SPDT) Form C relays, which can be configured in three different modes to support different applications. Dry contact, positive and negative switching is supported. When positive switching is required, each relay is configurable to either utilize bus power or external power for maximum flexibility.

For convenience, the relays are connected to the output terminals with normally open and normally closed connections. All terminal connections are made via removable terminal blocks.



UM-R4



UM-R10

STANDARD FEATURES

- Designed exclusively for the UltraSync Modular Hub
- Removable wiring terminals
- DIN rail mounting
- Dry contact, positive and negative switching
- External tamper switch input
- Up to 2,600 ft. of remote encrypted RS-485 connectivity
- Utilizes existing panel power or UM-SPS (Smart Power Supply)
- Each module adds 32 actions to the system, up to 256 actions in total

UltraSync™ Relay Expansion Modules

UM-R4 & UM-R10

Specifications

Compatibility	UltraSync Modular Hub systems	
Voltage	6.55 – 15 VDC	
Current	Average (no relays active)	Alarm/Maximum* (all relays active)
	UM-R4: 25 mA	UM-R4: 125 mA
	UM-R10: 25 mA	UM-R10: 275 mA
Relay Capacity	UM-R4: 4 Relays	UM-R10: 10 Relays
Relays	Rated load 0.50 A at 30 VAC or 1 A at 24 VDC, max current 1 A, min load 1 mA 5 VDC	
Data Bus	Encrypted RS-485 Supports length up to 2,600 ft (800 m)	
Screw Terminals	Accepts 16 – 30 AWG	
Storage Temperature	–30° to 140°F (–34° to 60°C)	
Dimensions (W x H x D)	UM-R4: 4.64 x 2.79 x 2.0 in. (118 x 71 x 51mm) UM-R10: 4.64 x 2.79 x 2.52 in. (118 x 71 x 64mm)	

Operating Temperature

Non-UL/ULC Installations	14° to 131°F (-10° to 55°C)
UL/ULC Installations	32° to 120°F (0° to 49°C)

Relative Humidity

Non-UL/ULC Installations	95% noncondensing
UL/ULC Installations	85% noncondensing

Approval Listings	FCC/IC UL-609 (Local burglar alarm units and systems) UL-636 (Holdup alarm units and systems) UL-365 (Police-connected burglar alarm units and systems) UL-985 (Household fire warning systems) UL-1023 (Household burglar alarm systems) UL-1076 (Proprietary systems) UL-1610 (Central station burglar alarm) UL-1635 (Digital alarm communicator systems) UL-1637 (Home healthcare signaling equipment)
	CA State Fire Marshal (CSFM) ULC-S303 (Local burglar alarm units and systems) ULC-S304 (CMS burglar alarm units) ULC/ORD-C1023 (Household burglar alarm units and systems) ULC-S545 (Residential fire) ULC/ORD-C1076 (Proprietary systems) SIA CP-01 2014

**If relays are not programmed/active, calculation can be de-rated 25 mA per inactive relay. If positive switching is utilized, additional current draw of connected load must be included in power budget calculations.*

Ordering Information

UM-R4	UltraSync Modular Hub 4-Relay Expansion Module
UM-R10	UltraSync Modular Hub 10-Relay Expansion Module



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Specifications subject to change without notice.

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