

Ethernet Reader Interface

Control doors using your existing network

The Ethernet Reader Interface (ERI) is a network connected, PoE capable sub-controller that provides the I/O necessary to control a single door. It provides the perfect solution when you want to leverage your existing network infrastructure to access doors that are otherwise hard or costly to reach with traditional copper wire.

The ERI supports readers, keypads, and readers with integrated keypads that use Wiegand (data0/data1), magnetic stripe (clk/dat), or RS-485 signaling. Inputs and outputs can be assigned to door-related functions or as general purpose I/O.

Inputs can be unsupervised or supervised using configurable end-of-line resistance values. Outputs are implemented using Form-C (NO/NC) relays and can be used for fail-safe or fail-secure lock operation.

Access request, status change, command, and configuration information is exchanged with a Distributed Controller. The controller is managed by a host computer using industry-leading AccessNsite® software, but runs independently when not communicating with the host.

Features

- Most widely accepted access control hardware due to its reliability and open architecture
- Network ready
- PoE Enabled
- Compatible across Quintron’s family of controllers
- AES 128 bit data encryption
- 12v to 24v DC operation
- Diagnostic LEDs
- Dedicated tamper monitoring
- Mounts in three gang junction box
- Field upgradable firmware
- Mounting bracket has holes that match Single Reader Interface footprint
- UL listed 294/1076
- 1-year limited warranty

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ERI Specifications

Power Input

- PoE Power Input 12.95W, compliant to IEEE 802.3af OR 12Vdc +/- 10%, 900mA max.

Power Output

- 12Vdc @ 700mA max (Reader and aux outputs combined)

Reader Interface

- 12 Vdc +/- 10%, 150mA
- One or two wire bi-color LED support
- Buzzer (only with 'one-wire' LED)
- TTL compatible inputs or RS485 (Rdr 1 only)

Relays

- Two Form-C, 5A @ 30 Vac/dc

Inputs

- 4 supervised

Communication

- RS-485, 2-wire, 4000'

Dimensions

- 5.5"W x 2.75"L x 0.96"H (w/o bracket)
- 5.5"W x 3.63"L x 1.33"H (w/ bracket)

Temperature

- 55°C to + 85°C, storage
- 0°C to + 70°C, operating

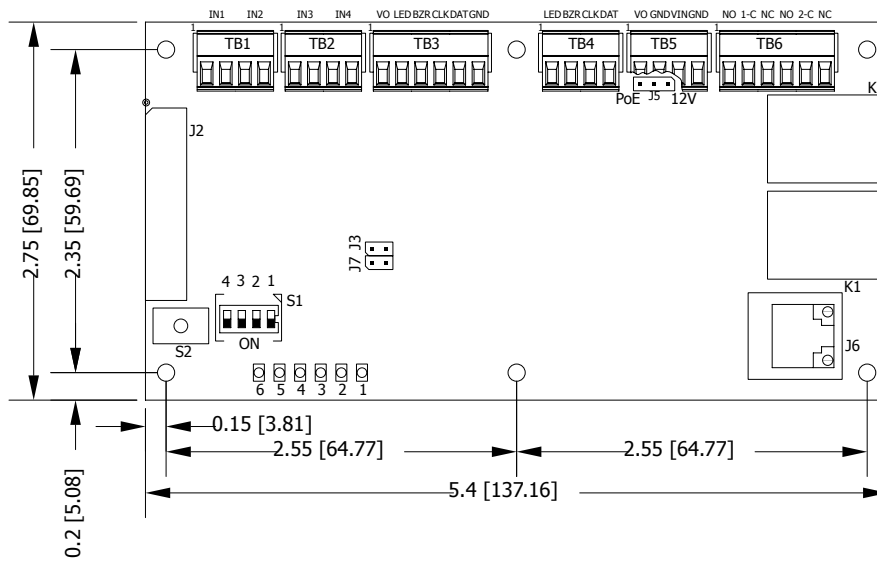
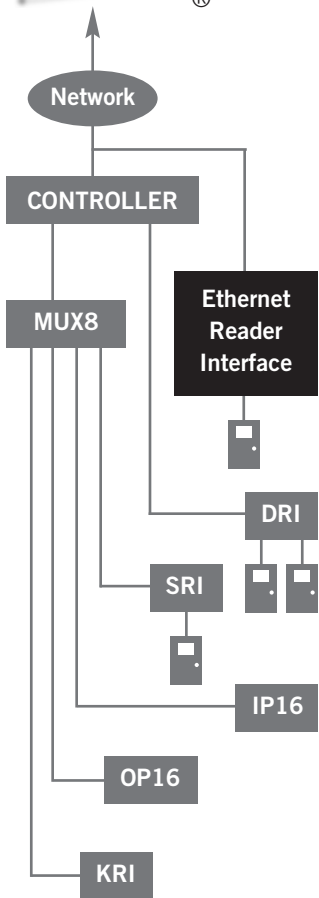
Humidity

- 10% to 95% RHNC

Certifications

- UL294, UL 1076
- CE
- RoHS

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* For a list of pre-configured enclosures, see Quintron's "Enclosures" brochure.