



EV2 Local Controller with I/Os

Description

The **EV2** Local Controller with I/Os (ELC) is a programmable RTLS appliance that provides stand-alone, real-time monitoring and control of **EV2** RTLS Safety, Safety & Visibility solutions. The device features the full functionality of a RF IP Reader and can be mounted onto walls and ceilings or placed above dropped ceilings.

The ELC can simultaneously monitor up to 5,000 EV2 Active RFID Tags at read distances up to 20m/65ft and can control up to fifteen fully supervised **EV2** BUS RF/IR Readers, I/O Boxes, **EV2** Display Panels, LF Exciters and Proximity Readers. The controller also supports thirty-two programmable logic rules that define which device outputs on the BUS will be set in response to detected tag and input events and store in memory up to 3,000 event transactions.

The ELC contains seven supervised analog inputs for monitoring alarm sensors (such as motion detectors and door contacts) as event triggers. The controller also has two open collector digital outputs plus three digital relay outputs that actuate devices (such as electric door locks, sirens, visual indicators) when an alert is triggered.

The ELC can communicate with VT's **EV2** RFID/RTLS Tracking Software or ELC Programmer Software as well as networked 3rd party management systems via Ethernet using standard XML.



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Product Features

- Stand-Alone monitoring and control
- Real-time tag tracking
- 20m/65ft (360° coverage) read range
- Remote Ethernet configuration
- Seven analog inputs/Five digital outputs
- RS-485 connectivity
- Tamper protection
- Rule-based alert output processing
- 12 Vdc battery backup
- XML messaging technology
- CE, FCC, IC compliant

Applications & Uses

- Mobile asset management
- Personnel and visitor safety
- Infant abduction protection
- Wandering patient tracking
- Hands-Free access control
- Wireless nurse call
- Senior living supervision & control
- Intrusion protection
- Entrance/Exit based alarming
- Duress alerting

