GENERAL INFORMATION

With the ERn enclosure, you choose the features you need for your facility’s unique lighting and building control requirements: processing, station support, power options, and networking. By isolating core components as a module, we optimize the system’s longevity and performance. Compact external control enclosures available in two sizes; ERn2 and ERn4

APPLICATIONS
- Churches
- Hotels
- Convention Centers
- Theatres
- Meeting Rooms
- Schools
- Restaurants
- Theme Parks

FEATURES
- Compact external control enclosures available in two sizes
- Wall mount or 19” rack mount
- External control enclosures available in 100-120, 230CE, and 240Volt, single phase configurations
- Convection Cooled
- RideThru - Backup processor power for at least 10 seconds to accommodate short term power loss
- BatteryPack - Backup processor power for at least 90 minutes for brownout and frequent power loss concerns
- Optional 5 port PoE Ethernet Switch
- Optional Redundant Rack Power Supply

GENERAL
- 230VAC, also available in 100-120 and 240VAC
- Ambient Temperature 0-40°C
- Ambient Humidity 10-90° (non-condensing)
- CE Marked

ORDERING INFORMATION

230V - CE ERn Enclosure

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERn2-W-230</td>
<td>2-slot wall mount 230V Control Enclosure</td>
</tr>
<tr>
<td>ERn2-RM-230</td>
<td>2-slot rack mount 230V Control Enclosure</td>
</tr>
<tr>
<td>ERn4-W-230</td>
<td>4 slot wall mount 230V Control Enclosure</td>
</tr>
</tbody>
</table>

Also available in 100-120 and 240V

Control Module Options

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-ACP</td>
<td>Paradigm Architectural Control Processor</td>
</tr>
</tbody>
</table>

Option Modules

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>P-SPM</td>
<td>Paradigm Station Power Module</td>
</tr>
<tr>
<td>P-REP</td>
<td>Paradigm Station Repeater Module</td>
</tr>
<tr>
<td>P-DREP</td>
<td>Paradigm Dual Station Repeater Module</td>
</tr>
<tr>
<td>ERN-BM</td>
<td>ERn Blank Module</td>
</tr>
</tbody>
</table>

For use with ERn4 only

Options and Accessories

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
</tr>
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<tbody>
<tr>
<td>ERn-NET</td>
<td>ERn Ethernet Switch</td>
</tr>
<tr>
<td>ERn-RPS</td>
<td>ERn Redundant Power Supply</td>
</tr>
<tr>
<td>U-RTO</td>
<td>Unison RideThru Option</td>
</tr>
<tr>
<td>U-BPO</td>
<td>Unison Battery Pack Option</td>
</tr>
</tbody>
</table>

Available for wall mount ERn enclosures only

Available for ERn2 enclosures only
SPEcifications

GENERAL
- External Processing Enclosure designed for one (ERn2) or two (ERn4) control processors and all options or accessories
- Architectural Lighting Control for Unison, Sensor, SmartSolutions and other DMX512 or ACN products

MECHANICAL
- 18 gauge formed steel construction
- Fine texture, scratch resistant, epoxy paint
- Wall mount and 19" rack mount variants
- Convection Cooled
- Locking front door with limited access to control processor front panel
- Tool free module removal and installation
- Wall mount offers front access wiring terminations
- Top, bottom and side knockouts for conduit entry
- Rack mount offers connectorized rear panel for all wiring connections

ELECTRICAL
- External control enclosure rated for 230Volts, single phase configurations
- 100-120 and 240Volt, single phase configurations available
- Completely wired by the manufacturer
- Designed to support the following wire terminations
  - AC (single phase)
  - 24Vdc (33.61mm² - 1.13mm²)
  - Echelon® LinkPower®
  - (2) configurable DMX512A ports
  - RS232 Bi-directional serial
  - CAT5 UTP Ethernet
  - Contact I/O, 4in/4out (2.08mm² - 0.13mm²)
  - Contact output rated 1A@30vDC
- Contractor supplied input and control wiring
- Factory provided connectors for wiring terminations

THERMAL
- Ambient room temperature: 0-40°C
- Ambient humidity: 10-90% non-condensing

RACK OPTIONS AND ACCESSORIES

CONTROL ProcessORS
- Paradigm Architectural Control Processor (P-ACP)

STATION POWER MODULES
- Station Power Module (P-SPM)
  - Provides Echelon LinkPower for up to 32 Stations
  - Provides 24V aux power for interface stations and touchscreen LCD’s
- Station Bus Repeater. (P-REP)
  - Extends Station bus length by 1 additional 500 meter segment
  - Accommodates up to 30 additional stations (maximum 62 stations per Processor)
  - Wall and rack mount versions available for mid-span insertion
- Station Bus Dual Repeater (P-DREP)
  - Extends the station Network bus by 2 additional 500 meter segments
  - Accommodates up to 30 additional stations (maximum 62 stations per Processor)
  - Wall and rack mount versions available for mid-span insertion

OPTION MODULES
- Ethernet Switch (ERn-NET) *
  - 5 port Ethernet switch with 4 port supplying PoE
  - 100Base TX 802.3af PSE compliant
  - For use in wall mount ERn only
- Redundant Power Supply (ERn-RPS) *
  - Seamless power assertion for controls processors upon failure or removal of the primary power supply
  - Front panel indicator for RPS status

* For use with ERn2 only

ACCESSORIES
- Unison RideThru Option (URTP)
  - Short term power back-up for control electronics
  - Powers the control processor for at least 10 seconds during short power outages
  - Automatically engages when power is lost
- Unison Battery Pack Option (UBPO) *
  - Long term power back-up for control electronics
  - Powers control processor for at least 90 minutes
  - Automatically engages when power is lost
  - Recharges using trickle charge from the rack enclosure power supply during normal operation

* For use with Wall mount enclosures only
Unison® 230V CE External Control Enclosure

Unison Control Series

**PHYSICAL**

### ERn Dimensions

<table>
<thead>
<tr>
<th>MODEL</th>
<th>HEIGHT (mm)</th>
<th>WIDTH (mm)</th>
<th>DEPTH (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERn2-W-230</td>
<td>223</td>
<td>394</td>
<td>244</td>
</tr>
<tr>
<td>ERn2-RM-230</td>
<td>223</td>
<td>483</td>
<td>244</td>
</tr>
<tr>
<td>ERn4-W-230</td>
<td>356</td>
<td>394</td>
<td>244</td>
</tr>
</tbody>
</table>

### ERn Weights

<table>
<thead>
<tr>
<th>MODEL</th>
<th>WEIGHT (kgs)</th>
<th>SHIPPING WEIGHT (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERn2-W-230</td>
<td>6.80</td>
<td>9.08</td>
</tr>
<tr>
<td>ERn2-RM-230</td>
<td>9.07</td>
<td>9.53</td>
</tr>
<tr>
<td>ERn4-W-230</td>
<td>9.07</td>
<td>11.34</td>
</tr>
</tbody>
</table>

*Weights and dimensions typical*