



# Repeater

E3X-R02-REPTP  
E3X-R12-REPTP  
E3X-R24-REPTP  
E3X-R27-REPTP

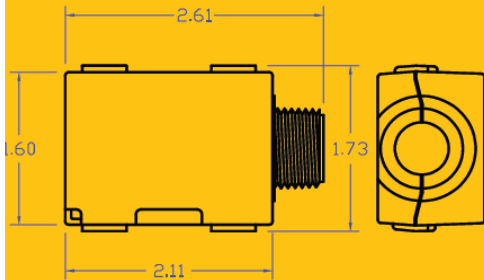
The ILLUMRA™ Repeater works to extend the wireless coverage area of ILLUMRA wireless networks. It receives wireless control signals and retransmits them to distant receivers or other repeaters. The device is capable of one-level and two-level repeating, effectively tripling\* the coverage distance otherwise achievable without using repeaters. It is easy to install and requires no setup or commissioning.

### Applications:

- Office buildings
- Classrooms
- Hallways
- Hospitals
- Other

### Installation locations:

- Junction boxes
- Wiring cavities
- Plenums



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### Features

- One-level and two-level repeating
- Fast, easy installation
- No setup required
- No commissioning required

### Benefits

- Extends wireless coverage

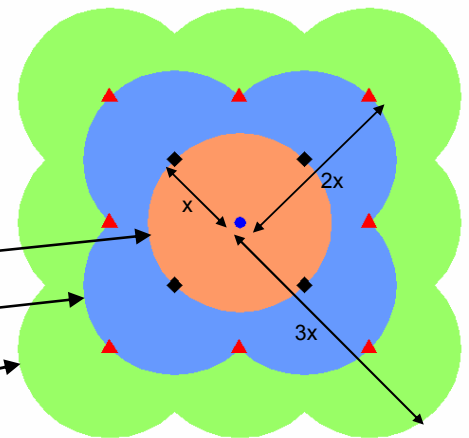
### APPLICATION DIAGRAM

- Transmitter
- ◆ Level 1 repeater
- ▲ Level 2 repeater

Coverage area without repeaters

Coverage area with Level-1 repeaters

Coverage area with Level-2 repeaters



\*Using two levels of repeaters achieves up to triple the distance achievable without repeaters. Results will vary, depending on site-specific conditions.

### SPECIFICATIONS

|                              | E3X-R02-REPTP   | E3X-R12-REPTP       | E3X-R24-REPTP       | E3X-R27-REPTP       |
|------------------------------|---|---------------------|---------------------|---------------------|
| <b>Supply Voltage</b>        | 24 VAC<br>50/60 Hz  | 120 VAC<br>50/60 Hz | 240 VAC<br>50/60 Hz | 277 VAC<br>50/60 Hz |
| <b>Frequency</b>             | 315 MHz   |                     |                     |                     |
| <b>Dimensions</b>            | 2.11 x 1.73 x 1.09 in (54 x 44 x 28 mm)                   |                     |                     |                     |
| <b>Operating Temperature</b> | +14 to +122 F (-10 to +50 C)                              |                     |                     |                     |
| <b>Storage Temperature</b>   | +4 to +176 F (-20 to +80 C)                               |                     |                     |                     |
| <b>Safety Approvals</b>      | UL244A (Safety), UL2043 (Plenum), CSA C22.2#14-05(Safety) |                     |                     |                     |
| <b>Radio Approvals</b>       | E3X-xxx-REPTP = FCC, IC                                   |                     |                     |                     |

This device or certain aspects thereof is protected by at least one U.S. or international patent or has at least one such patent application pending.



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