All Network Segments

Note: Each network segment shall not exceed 56 devices (panels, switches, sensors) or 1,500 ft of wire. The quantity of panels, switches, and sensors shown is to illustrate conceptual wiring scheme only. The actual connection and number of devices will be determined by actual locations on the plans.

Connect Belden 8471 Wire to Network

LXENDM EQUIPMENT CABINET
12" x 18" x 4" SURFACE MTD.

2 Wire Network
Belden 8471

PT LDK Network
24V AC/DC

LX Dry Contact Module

Yellow/White

Blue/White

Low Voltage Dry Contacts to connect to LXDCIM per installation instructions by the Contractor.

Blue/White

Yellow/White

1. LX/Comm network-ke a 2 wire communication network. It can operate using any topology (Monitored or combination of topologies including Star and "configurations".

2. Network cable shall be Belden 8471 or Xcel Bx Wire 10400 and nothing else. Maximum applicable length per network segment (without requiring the use of the LX Router/Repeater Module) is 1,500 ft. Use 56 devices can be supported per network segment.

3. Additional line power modules (LX/LPM) will be required if the network exceeds 1,500 feet per network segment, or 56 devices per network segment. When multiple Line Power Modules (LX/LPM) are used, they must have a LX Router/Repeater Module (LX/RPM) between them.

4. All network wiring must be routed through the top of the lighting control panel, accessible to the low voltage section of the module.

5. Do not use shielded cable.

1-LXDCIM with 2-LODTRP Sensors
(Typical)

Building Automation, Inc.