



Type(s)

Project

Date

Notes

GENERAL INFORMATION

The Delta Controls Red5-EDGE-ROOM and Red5-PLUS-ROOM devices are native BACnet building controllers that provide BACnet routing for Echoflex Networked Lighting Control (ENLC) systems.

They are the primary integration engine for the ENLC system, providing network routing between BACnet Ethernet, BACnet/IP and BACnet Secure Connect subnets. The Red5 devices bridge the ENLC subnets within the building into a cohesive network and when configured, can also connect over the Internet for remote server applications.

APPLICATIONS

- BACnet communication network routing for Echoflex Networked Lighting Controls systems
- BACnet Building Energy Management Systems Integration
- Local subnetwork connections and/or Ethernet CLOUD connections

FEATURES

- Fully configurable via an on-board web interface
- Complete BACnet message routing for BACnet Ethernet, BACnet/IP and BACnet /SC
- Dual Ethernet connection for daisy-chaining in large spaces; provides pass-through communication even during power outages
- Firmware upgrade and database load/save over the network
- DIN rail mountable (EN 50022-35x7.5)

ORDERING INFORMATION

Red5-EDGE-ROOM Models

MODEL	DESCRIPTION
Red5-PLUS-ROOM	Red5-PLUS-ROOM with 2 Ethernet ports, 3 power outputs
Red5-EDGE-ROOM	Red5-EDGE-ROOM with 2 Ethernet ports, 3 power outputs

Red5-EDGE-ROOM Power Supplies

MODEL	DESCRIPTION
DRC-24V30W1AZ	Chrome Line Voltage DC power supply 24 V 30 W Class A EMC

SPECIFICATIONS**HARDWARE**

- 24 VDC, 2 W typical (5 W max)
- 24 VDC, 100 W max output fully loaded
- 1 - 24 VDC switched power output
 - Short circuit protected
 - Overcurrent protected
- 2 24 VDC unswitched power outputs
- Removable screw-type terminal connectors
- Up to 2 dry contact inputs
- Technology:
 - ARM® Cortex®-A8
 - 32-bit 600 MHz RISC CPU with supercapacitor power backup
 - 256 MB DDR3L RAM
 - 4 GB eMMC flash memory
 - Real-time clock (RTC) with supercapacitor power backup

COMMUNICATIONS

- Dual Ethernet (10/100Base-T)
 - BACnet/IP, BACnet over Ethernet, BACnet/SC

ENVIRONMENTAL

- Ambient operating temperature: -30°C to 55°C (-22°F to 131°F)
- Relative humidity: 10%–95% non-condensing
- IP20

REGULATORY AND COMPLIANCE

- cULus 916 Listed
- CE Compliant
- FCC

PHYSICAL

Red5-EDGE-ROOM Weight and Dimensions†

MODEL	HEIGHT		WIDTH		DEPTH		WEIGHT	
	mm	in	mm	in	mm	in	g	oz
Red5-EDGE-ROOM	108	4.3	111	4.4	58	2.3	193	6.8

