

controlCUE-knx-d

Ethernet IP-enabled controller with KNX, serial and versatile ports

Product code: **CS0455**

Main features

- Wired 10/100 BaseT LAN
- 1x IP control port
- 1x KNX TP port
- 1x Bi-directional RS-232/485 port
- 4x Versatile port
- ARM® processor platform
- Internal RAM LPDDR 64 MB, flash 256 MB
- Onboard real-time clock
- IR code capture sensor
- Front panel indicators
- Power over Ethernet or 24 VDC power supply
- DIN rail plastic enclosure, width 4 modules
- Web server and Admin Web pages for setup



Description

The controlCUE-knx-d is a fully functional IP controller with a KNX port, one bi-directional RS-232/485 port, and four versatile ports. Fully compatible with CUE touch panels, this controller provides a bi-directional connection between Cue System and the KNX network and it can work as a standalone device.

This controller comes complete with a web server and allows set up through a standard web browser. Unit programming is based on CUE's standard programming tool Cue Visual Composer.

A single cable Ethernet connection provides easy network integration. The controller is equipped with Power over Ethernet (PoE) technology enabling an Ethernet network cable to deliver both data and power. The controller installs easily on a DIN rail or a wall.

Specifications

Control ports

- 1x IP control port
- 1x KNX TP port
- 1x Bi-directional RS-232/485 port
- 4x Versatile port

LED indicators

- Blue Power - indicates power is presented and the unit is ready.
- Green Link - indicates network link and activity.
- Yellow CPU - confirms the system default function is performed.
- Green / Red KNX - indicates KNX port send/receive.
- Green Serial - indicates serial data is being transmitted.
- Red Serial - indicates serial data is being received.
- Green Versatile - indicates the output is closed.
- Yellow Versatile - indicates IR or serial data is being transmitted.

Internal IR sensor

- IR code capture

Button

- System Default sets the default IP address and password.

Real-time and date

- RTC with battery backup

Memory

- Internal RAM LPDDR 64 MB
- Internal non-volatile flash 256 MB

Software technologies

- Admin Web
- XPL² runtime

System communication

- 10/100 BaseT Ethernet, RJ-45 connector

Power supply

- 24 VDC (+/-20%), 3 W, 2-pin 3.5 mm connector
- Power over Ethernet (PoE), IEEE 802.3af compatible

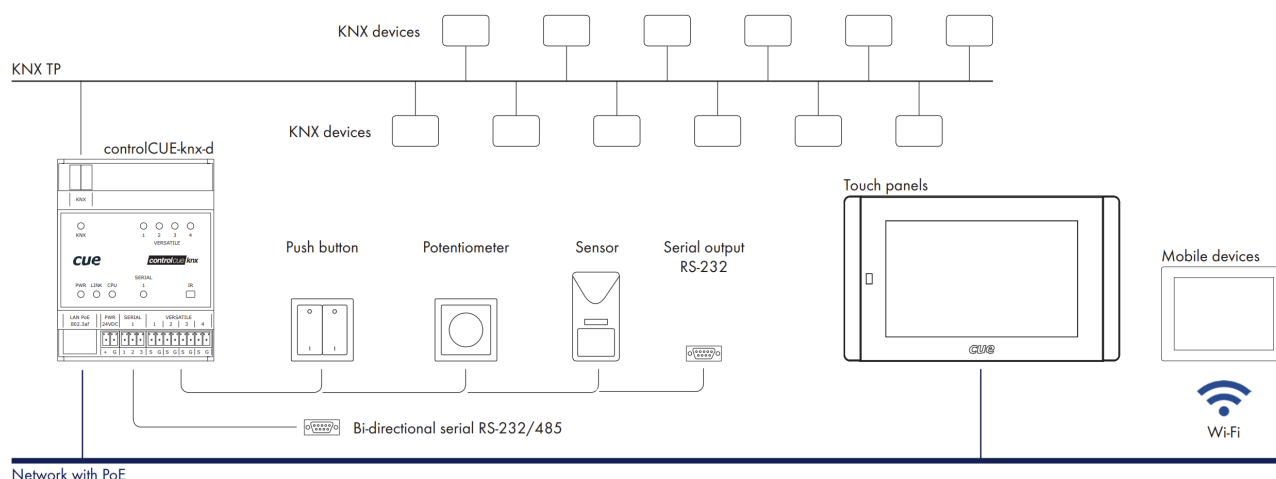
Physical

- DIN rail plastic enclosure compatible with DIN EN 50022
- Width 4 modules
- Dimensions 70 x 90 x 58 mm / 2.8" x 3.5" x 2.3"
- Weight 0.2 kg / 0.5 lb

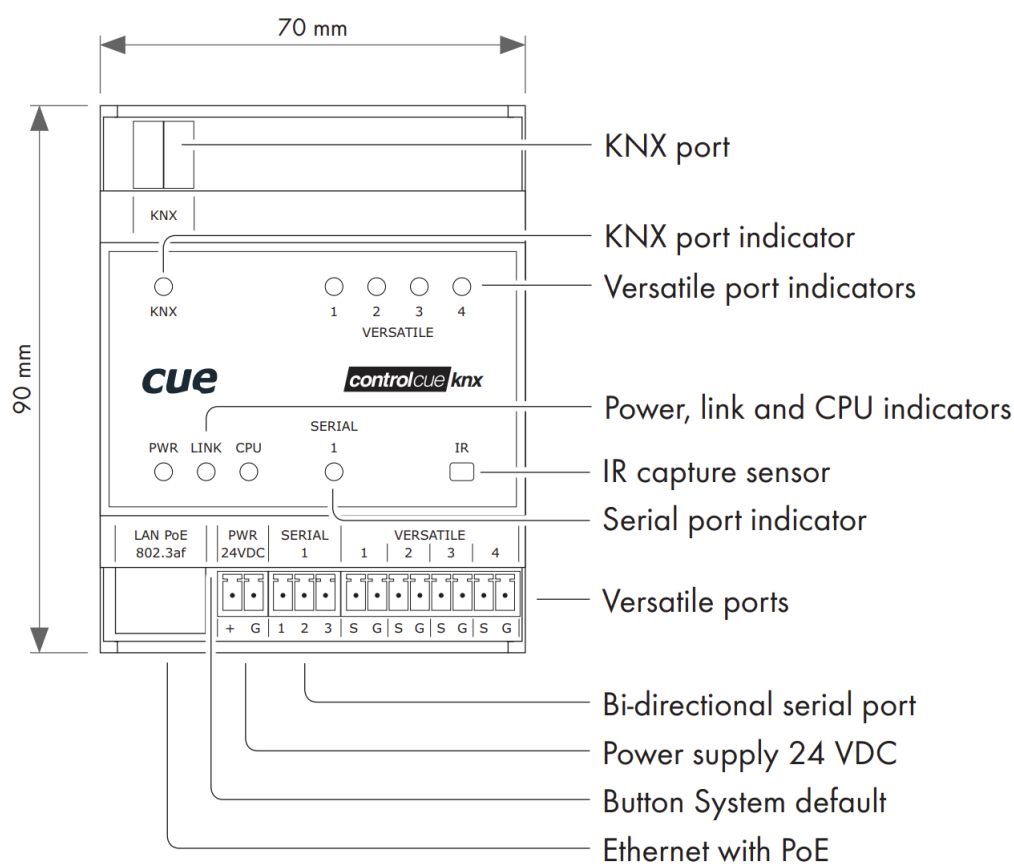
Environment conditions

- Operating temperature 10° to 40° C
- Storage temperature 0° to 60° C
- Relative humidity 10% to 90% non-condensing

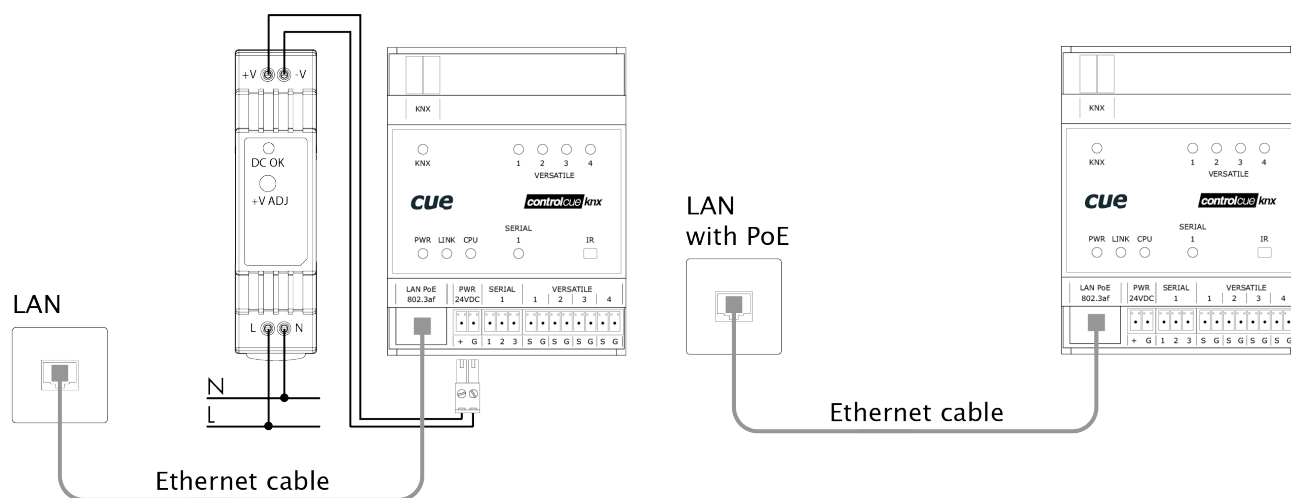
Application diagram



Mechanical description



Power supply



Delivered DIN rail power supply 24 VDC can be used for areas without PoE infrastructure (left). The integrated IEEE 802.3af PoE support allows installation in areas where PoE network infrastructure is installed (right).



Note: use only one of the power ways, do not connect the 24V power supply if you are using PoE.

Box contents

- Controller controlCUE-knx-d
- Connector set
- Ethernet cable
- DIN rail compatible power supply 24 VDC / 15 W
- Quick Start

Order information

- Product code CS0455

Documentation

More information can be found in CUE Documentation:

- Controllers Setup Guide
- controlCUE-knx-d Quick Start