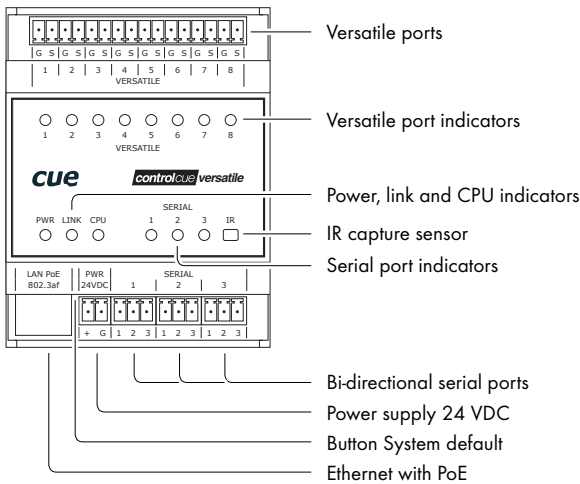


# controlCUE-versatile-d

CS0453

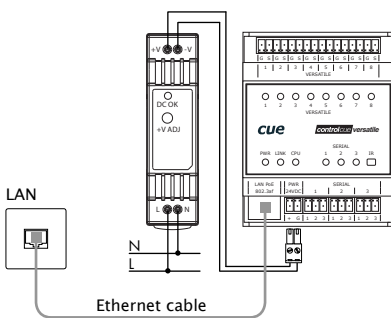


## Description

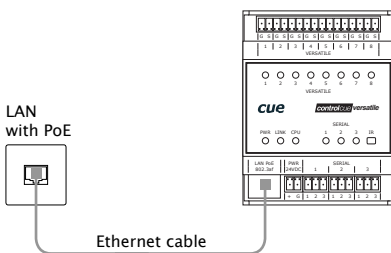


## Power Supply and LAN Connection

### Power Supply 24 VDC (delivered DIN rail power supply)



### PoE Power Supply



## System Default Setup

When System Default button is pressed, the system default function is performed and setup is as follows

- IP address: 192.168.1.127
- IP Mask: 255.255.255.0
- Password: Empty (no input required)

## User Manual

Complete user manual can be downloaded here:  
[http://www.cuesystem.com/user\\_manuals.aspx](http://www.cuesystem.com/user_manuals.aspx)

## Connector Pinouts

### PWR 24 VDC

Pin	Description
+	Power +24 VDC
G	Ground

### SERIAL 1 - 3

Pin	RS-232	RS-485
1	TxD	A+
2	RxD	B-
3	Ground	Ground

### VERSATILE 1 - 8

Pin	Description
1 S	Versatile 1 - signal
1 G	Ground
2 S	Versatile 2 - signal
2 G	Ground
3 S	Versatile 3 - signal
3 G	Ground
4 S	Versatile 4 - signal
4 G	Ground

Pin	Description
5 S	Versatile 5 - signal
5 G	Ground
6 S	Versatile 6 - signal
6 G	Ground
7 S	Versatile 7 - signal
7 G	Ground
8 S	Versatile 8 - signal
8 G	Ground

## Versatile Ports Usage

### Input modes

Digital input	Adjustable threshold <ul style="list-style-type: none"> <li>• High sensitivity binary 0 &lt; 1.45 V, binary 1 &gt; 2.05 V</li> <li>• Low sensitivity binary 0 &lt; 5.8 V, binary 1 &gt; 8.2 V</li> </ul> Input impedance >100 k $\Omega$ Adjustable digital filter
Pulse counter	Adjustable threshold as above Input impedance as above Pulse length min. 1 ms, max. frequency 500 Hz Max. number of pulses 2 147 483 647 (Long) Adjustable digital filter
Voltage input	Range 0 $\div$ 2.5 VDC, 0 $\div$ 10 VDC, auto Input impedance >100 k $\Omega$ Resolution 12-bit Adjustable digital filter Accuracy $\pm 0.1\%$ of reading, $\pm 0.1\%$ of range (0.1 $\div$ 10 V, digital filter applied)
Resistance input	Range 2 k $\Omega$ , 20 k $\Omega$ , 200 k $\Omega$ , auto Resolution 12-bit Adjustable digital filter Accuracy (digital filter applied) <ul style="list-style-type: none"> <li>• 100 <math>\Omega</math> <math>\div</math> 800 <math>\Omega</math> <math>\pm 3\%</math> of reading, <math>\pm 0.1\%</math> of range</li> <li>• 800 <math>\Omega</math> <math>\div</math> 20 k<math>\Omega</math> <math>\pm 0.3\%</math> of reading, <math>\pm 0.1\%</math> of range</li> <li>• 20 k<math>\Omega</math> <math>\div</math> 200 k<math>\Omega</math> <math>\pm 1\%</math> of reading, <math>\pm 0.1\%</math> of range</li> </ul>

### Output modes

Digital output	Max. sink current 200 mA / max. 30 VDC Catch diodes for use with real load
Current pullup	Current-source pull-up 12 V / 10 mA
Current pulldown	Current-source pull-down -12 V / 10 mA
IR output	Maximum IR carrier frequency 500 kHz Up to 3 original IR Adapter /i in parallel
Serial output	RS-232 Serial data baud rate 300 Bd $\div$ 115 200 Bd (bps)