

● **LTC-23: RS485 Modbus RTU to DALI, 0~10V or 1~10V Analog Output Module**



Order Information:

Model No.: LTC-23

● **FEATURES**

➤ **Protocol Support**

Modbus RTU

➤ **Support Interface**

RS-485, up to 921.6Kbps, Half Duplex

➤ **Setting**

Modbus Tools

➤ **Analog Output**

0~10V or 1~10V

➤ **Low Power Consumption**

Less than 1W Power Consumption

➤ **High Reliability**

RTOS inside, Build in Watchdog, Power Good, Software Watchdog
Working 24Hours per day

➤ **Low Cost**

● **APPLICATIONS**

Light Dimming Control

Valve Control

● **GENERAL DESCRIPTIONS**

LTC-23 and LTC-21, LTC-22 are lighting controllers of DALI series. The working power of LTC-23 is AC 85~265V. LTC-23 provides an RS485 communication interface with Modbus RTU communication protocol. The upper controller can access internal working register of LTC-23 and set station number of LTC-23 via RS485. LTC-23 also provides a DALI communication interface and DALI Bus Power can be used as RS485 to DALI communication gateway. There a DALI tool can be used to set DALI Address of the Fixture, and the tool can be download from our website. Another output interface of LTC-23 is analog output, which can output 0~10V or 1~10V control signal output for LED Fixture dimming.

For the description of each Modbus address of LTC-23, please refer to LTC-23 application note. For the DALI Fixture Address setup tool, please download the setup tool from our website.

● **SPECIFICATION**

• **Serial Interface**

Protocol	Modbus RTU Slave
Serial Standards	RS485-2w
Connectors	Terminal Block
ESD Protection	15 kV for all signals
RS-485 Data Direction Control	automatic data direction control

• **Serial Communication Parameters**

Data Bits	8
Stop Bits	1
Parity	None
Baud rate	300 bps to 921.6 kbps

• **Software**

Utilities	Setup Utility By Modbus Tool
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• **Physical Characteristics**

Housing	PC ,
Weight	300 g
Dimensions	160*50*H35mm

• **Environmental Limits**

Operating Temperature	0 to 60°C (32 to 140°F)
Storage Temperature	-40 to 85 °C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
Altitude	Up to 2000 m (795 hPa), higher altitudes on demand

Note

• **Operation Power Requirements**

Input Voltage	AC 85V~265V
Power Connector	Terminal block
Power Consumption	< 1W
Isolation	2KV

• Standards and Certifications

EMC	-
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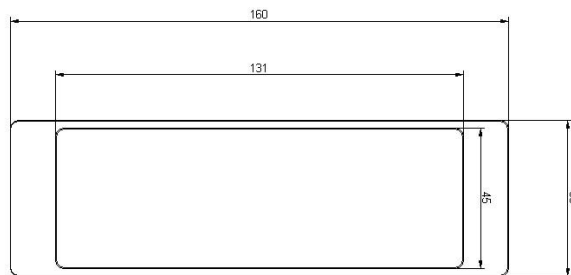
• Reliability

MTBF (mean time between failures)	-
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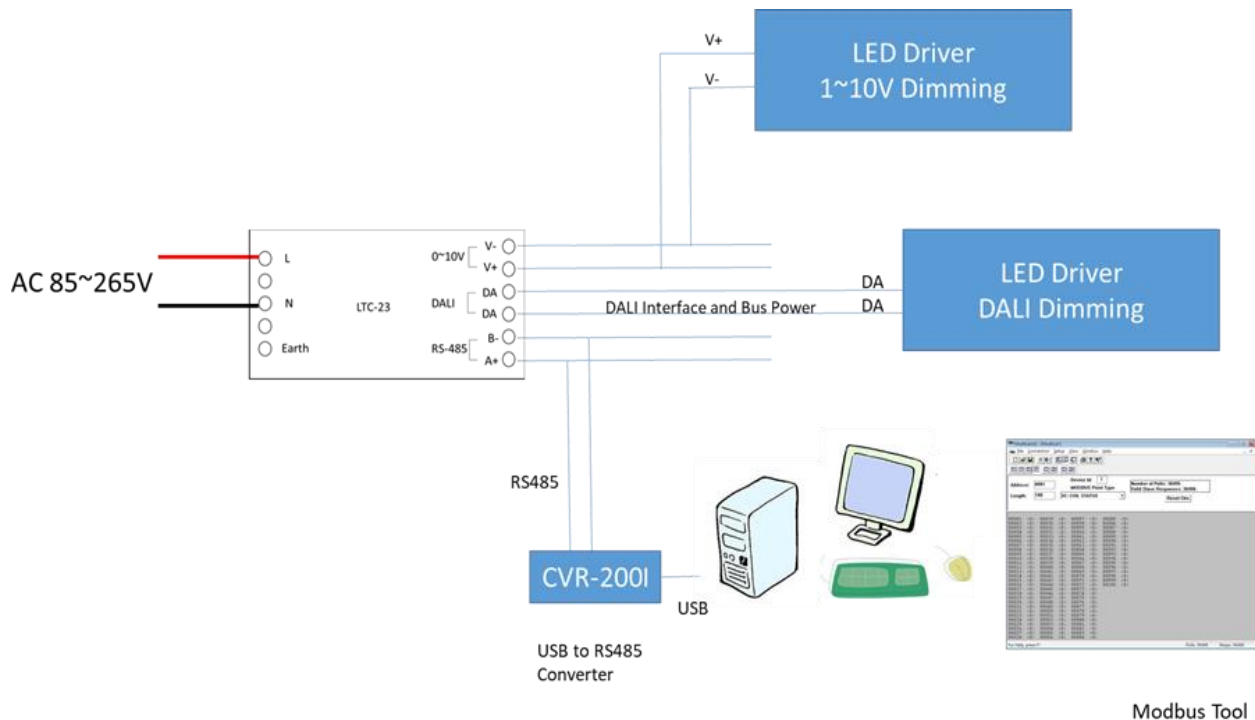
• Warranty

Warranty Period	1 year
Details	See http://www.infosystem.com.tw

● Dimension



● Connection



- **Configuration**
Modbus Setup tool
- **Installation**
Wall Mount