



DITRA CORE LIGHT

The DITRA CORE LIGHT Street Light Controller is intended for remote monitoring and management of street lighting systems.

For two-way communication with external devices and meters, the DITRA CORE LIGHT utilizes RS-485 interfaces. It connects to the DITRA server via a 2G cellular network.

The controller operates on either 110/220 V AC or 9-36 V DC power supply.

Remote configuration is supported through the [DITRA control platform](#), as well as locally via DIP switches on the device.

Designed for installation on a DIN rail, it fits seamlessly into lighting control cabinets.



Original PCB

Using only printed circuit boards of our own design in the devices



Easy installation

Easy installation of devices in any environment



High quality

High quality components and enclosure materials



Advantages

Non-volatile memory for reliable data storage

Integrated backup power supply ensures uninterrupted operation

Built-in AC/DC power supply supports flexible input options

Onboard astronomical clock for automatic scheduling based on sunrise and sunset

Scenario scheduling and real-time remote control capabilities

Independent phase control for enhanced flexibility and efficiency

Powerline-based individual control using DITRA LITELINE technology

Voltage tolerance up to 305 V for robust performance

Simplified design for quick and easy installation

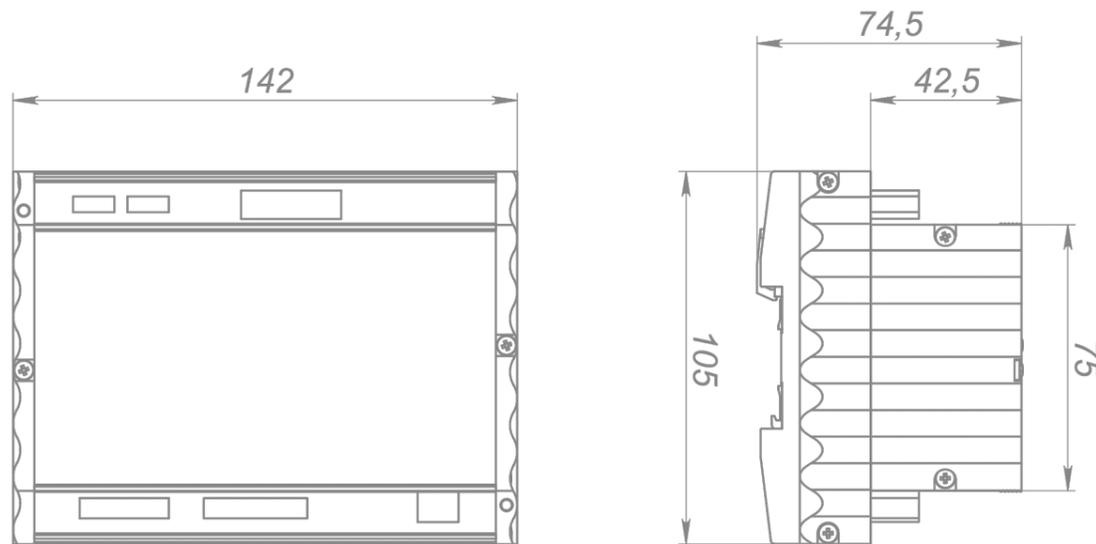
Instant fault detection and alerts for electrical issues

RS-485 interface for connecting electric meters and additional sensors



+351 910 522 922

info@ditra-solutions.com



Specifications

Mechanical

Housing: aluminum DIN mounted case
 Material: metal, plastic
 Dimensions, mm: 142(L) x 74,5(H) x 105(W)
 Mass: 0.45 kg
 Mounting: DIN (8 modules) rail

Environment

Operating Temperature: -40...+70°C
 Storage Temperature: -50...+80°C
 Operating Relative Humidity (max): 95%
 IP Rating: IP 20
 Certification: CE, RoHS
 Warranty: 36 Month

Inputs / Outputs

Relay outputs: 2
 Voltage control inputs: 3
 Max voltage and current at outputs: 240 V, 5 A
 Max voltage at inputs: 240 V
 Number of sensor inputs: 2

Package Contents

Street Light Controller DITRA CORE LIGHT
 Connector set

Power & Electrical

Input Voltage: ~100-240V 50/60 Hz; -9-36V
 Input Power (max): 5 W
 Mains Fuse: 0.5 A

Interfaces and Protocols

Serial interface: RS-485, 2G
 Radio Channel: GSM 850/900/1800/1900
 Max length of RS-485 line: 1500 m

Configuration / Indication

Setup: remote via GSM/2G
 Indication: LEDs for GSM and RS-485 activity



Wiring diagram

Specifications are subject to change without notice. Trademarks are the property of Ditra Solutions.

