DITRA MultiConnect

DITRA MultiConnect is a versatile expansion module that adds 16 independent inputs and 8 independent relays to lighting control systems, enhancing the functionality of cabinet controllers.

Communication and lighting control are facilitated through the RS-485 interface. The unit supports power supply options of AC 100-240 V or DC 12-30 V, depending on the model.
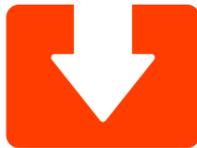
Configuration is flexible and can be performed remotely via cabinet controllers or locally using the DIP switches on the device.

Designed for DIN-rail installation, DITRA MultiConnect is the ideal solution for expanding the capabilities of lighting control cabinets.

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

Easy installation
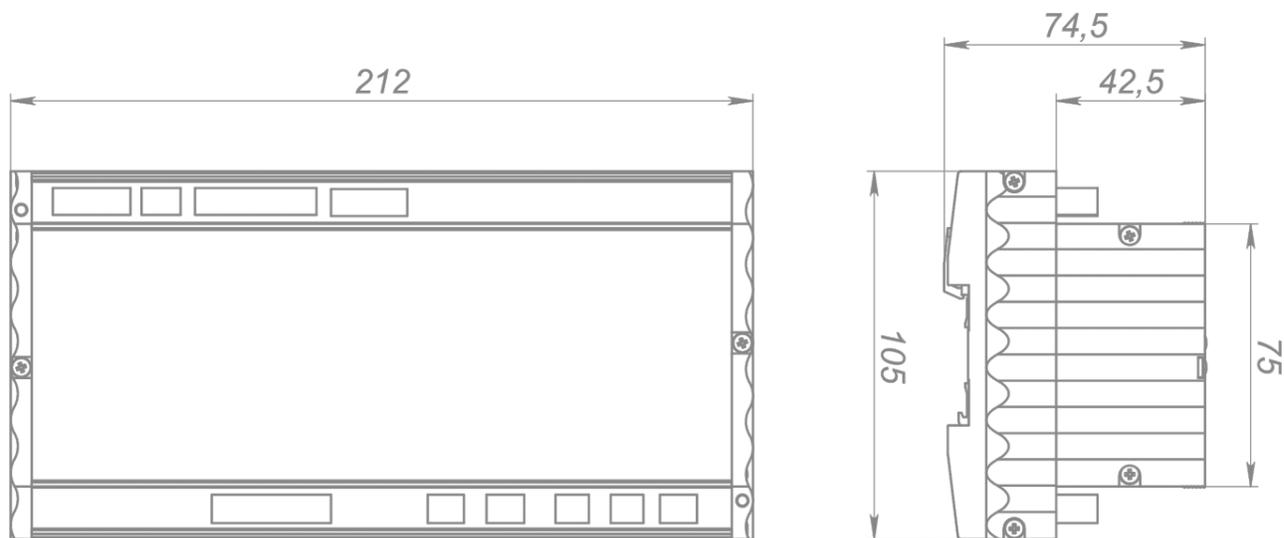Easy installation of devices in any environment

High quality
High quality components and enclosure materials

Advantages

• Connection to central controller DITRA CORE PRO via RS-485

• Fully galvanically isolated RS-485 interface for reliable communication

• Features 16 independent inputs for enhanced functionality

• Equipped with 8 independent relay outputs for versatile control

• Includes a built-in power supply for streamlined installation

Specifications

Mechanical

Housing: aluminum DIN mounted case
Material: metal, plastic
Dimensions, mm: 212(L) x 74,5(H) x 105(W)
Mass: 0.6 kg
Mounting: DIN (12 modules) rail

Environment

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

Inputs / Outputs

Relay outputs: 8 (6 on/off, 2 changeover)
Voltage control inputs: 16
Max voltage and current at outputs: 240 V, 5 A
Max voltage at inputs: 240 V
Connectors: terminal blocks 2EDGVC, 15EDGVC

Package Contents

DITRA MultiConnect
Connector set

Power & Electrical

Input Voltage: ~100-240V 50/60 Hz; –12-30V
Input Power (max): 5 W
Mains Fuse: 0.5 A

Interfaces and Protocols

Serial interface: RS-485
Max length of RS-485 line: 1500 m

Configuration / Indication

Setup: remote via cabinet controllers, DIP switcher
Indication: LEDs

Wiring diagram

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

Operator

Internet

GSM, GPRS, EDGE

DITRA CORE PRO

RS-485

RS-485 (MODBUS)

N   L

To other modules

L100-250V

IN   OUT

RS-485

7   8   6   5   4   3   2   1

OUTPUTS

DITRA MultiConnect

1 2 3 4 5 6 7 8

9 10 11 12 13 14 15 16

A B C

A B C

Control points 1-8
100-250 VAC

Control points 9-16
100-250 VAC