DL 8I 8ODC

The Digital Dreams Series units are RS-485 based Dimming and Relay switching devices designed to be mounted in electrical switchboards concealed in side the wall or similar enclosures. For ease of installation, they are also DIN rail mounted, measuring 3 DIN modules wide. The independent unit is pre-programmed to function as stand alone unit. Alternatively, units can be programmed via a PC along with Gateway. The unit is consisting of Power Supply, CPU section and Driver devices. The unit is self powered with single phase supply used locally. LED Indicators inside the unit shows the status of CPU Unit and Load Status.

IR Remote can control ON and OFF along with Dimming facilities and permits all channels to be controlled locally without any RS-485 network communication.

The RS-485 Bus & Inputs are electrically isolated.

Power recovery puts all the loads in OFF position.

AUTOMATION MODULE : DL 8I 8ODC relay Module

The DL 8I4ODC4DA is an 8 channel controller with,

• 8 input for buttons
• 8 output for ON / OFF application

Input : 8 isolated input with isolated dry contacts for command to individual load to be controlled.

ON / OFF : 8 independent RELAY contacts, suitable for most types of switched loads up to 2A ratting.

Technical data :

Inputs :
• Supply Control Inputs - 230V ±10% 50Hz Single Phase – Phase, Neutral and Earth
• RS485 Network termination
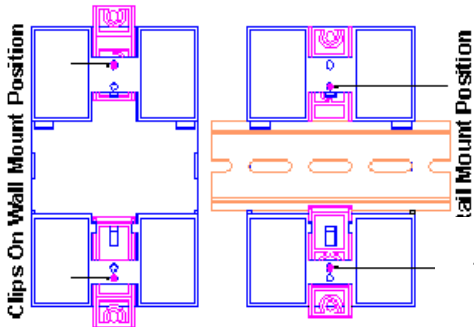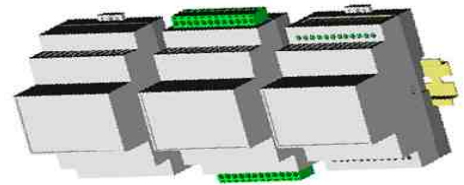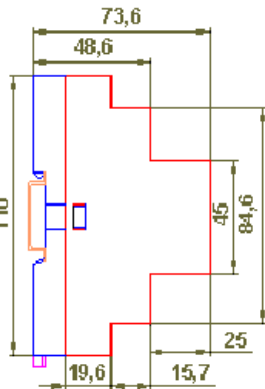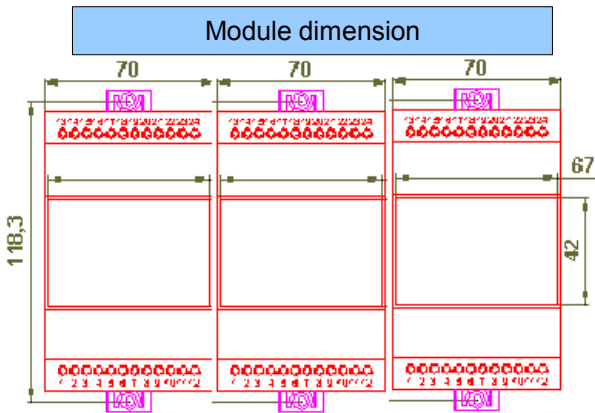• 8 input buttons for each load
• IR Port

Outputs :
Relay : 7 A
Operating Condition : 0º to 40ºC ambient temperature, 0% to 95% RH non condensing
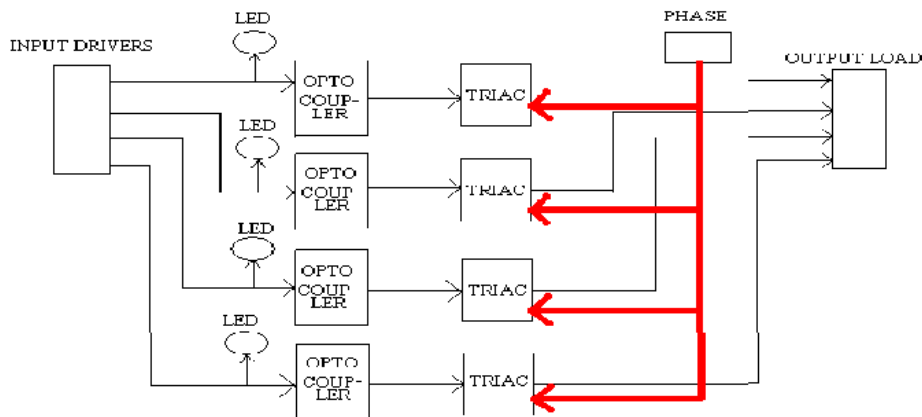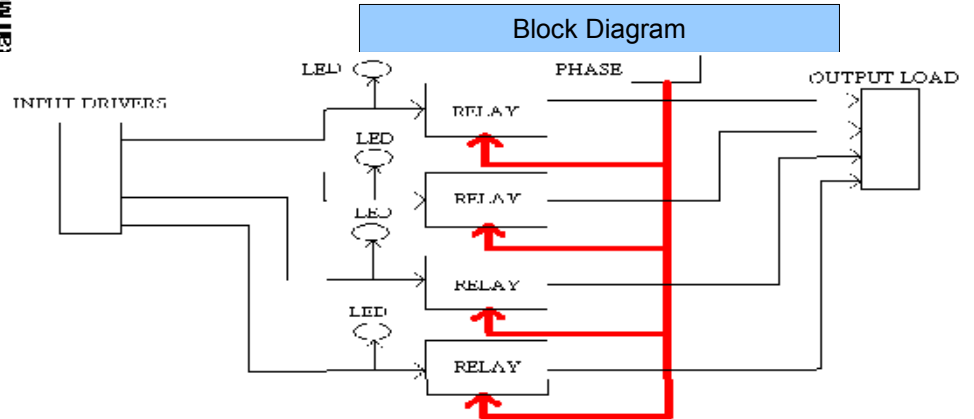
Module Power Conditioning Compliance
• Surge protection Enclosure
• Brownout/Sag protection ABS DIN Rail enclosure (3 unit)
• Spike protection

Dimensions : L 210 mm X H 120 mm X D 75 mm

DIGITAL DREAMS

Module dimension

Dimensions - DIN rail type

w = 210 mm, h 120 mm, d = 75 mm

Clips On Wall Mount Position

Rail Mount Position

Block Diagram

INPUT DRIVERS — LED — RELAY — PHASE — OUTPUT LOAD

INPUT DRIVERS — LED — OPTO COUPLER — TRIAC — PHASE — OUTPUT LOAD

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