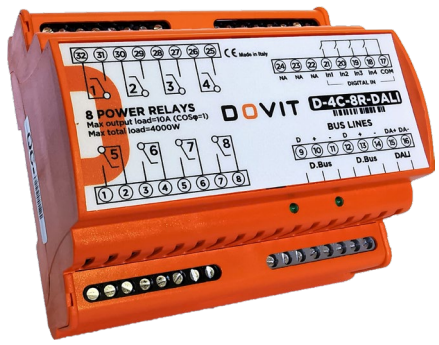
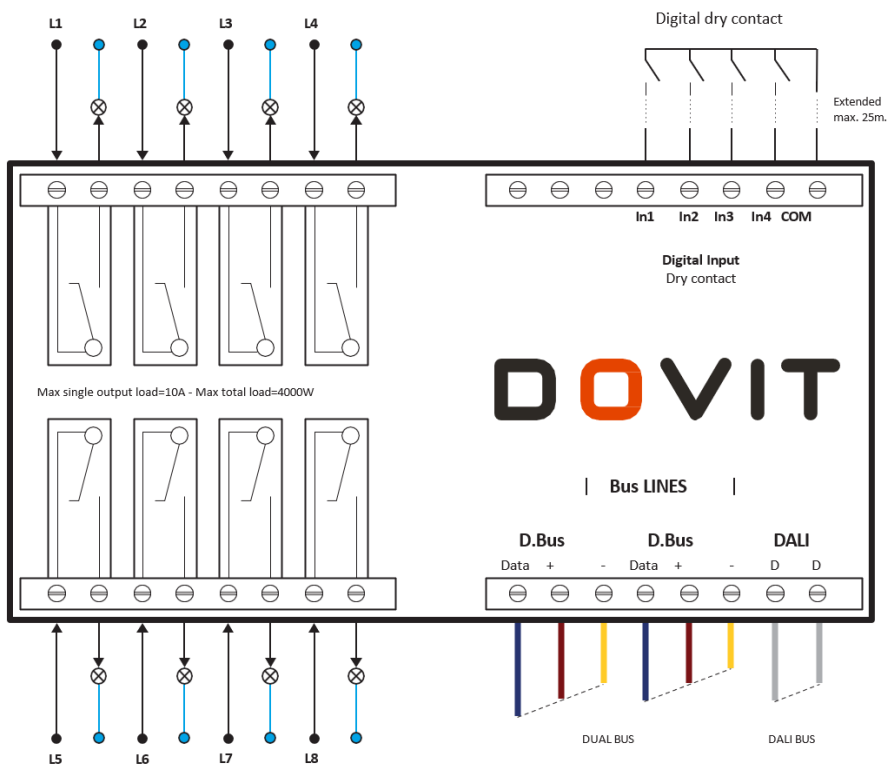
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D-4C-8R-DALI

4 digital inputs on terminals / 8 relay outputs 10A - D.Bus / DALI Master





Features

- Dimensions: 6 DIN modules, 104x60x90 mm
- Standard enclosure for DIN rail mounting.
- 4 digital inputs (dry contact type, e.g., push-button and switch). Signal current 2mA.
- 8 relay outputs: 10A cos (phi) = 1 | Motor 500W | Inductive loads 3A (e.g., transformers, fluorescent lights, inverters, etc.). Relay COM + NO (normally open) - contact type = 16A AgSnO2 (silver contact)
- 1 DALI master Bus output with 150mA supply at 13.8V (max. 30 DALI lighting drivers) allowing control of up to 8 individual or group DALI addresses of the slave type. Possibility to control up to 16 Dali addresses (See "Operating Descriptions" on page 3).
- 2 D.Bus communication interfaces (Connected in parallel)
- Powered by the D.Bus for a maximum consumption of 350mA (all relays in operation).
- Operating temperature (° C): -5 ° + 45 °
- Operating humidity without condensation: <90%.
- IP20

Maximum power supported by simultaneous relays = maximum 4000 W

CE

EMC – EMISSION and IMMUNITY: Directive 2014/30/EU

Safety- L.V. – SAFETY REQUIREMENTS: Directive 2014/35/EU

EMC - emission specification: EN 55032:2012/AC:2013
Information technology equipment. Radio disturbante Characteristics. Limit and methods of measurement

L.V. - safety specification: EN 62368-1:2014/AC:2015
Information technology equipment. Safety. General requirement

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Operating description :

Relay Outputs:

- Output with feedback (direct and inverted) of the input command.
- Output with step-by-step functionality.
- Timed outputs (configurable in seconds and minutes).
- Output with state memory in case of module power loss.
- Outputs with direction lock function for motorized equipment.
- Outputs with timed control of the movement of motorized equipment.
- Outputs with millisecond rotation control (e.g., slats for sun protection).
- Outputs that can be linked to scenarios.

Digital Inputs:

- Input with instant action on the command (e.g., for a push-button associated with a lamp: press the button = ON, release the button = OFF) and with the possibility of logic inversion (press the button = OFF, release the button = ON).
- Input with "long press" / "short press" management.
- Input that can be linked to scenarios and group functions.
- Input that can be linked to analog outputs (e.g., 0-10V dimmer, blind rotation).
- Input with state memory in case of module power loss.

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D-4C-8R-DALI

DALI Master Bus Output:

- Up to 8 phase-cut relay outputs + 8 freely assignable DALI channels.

  Each relay output can also be programmed as a DALI output, allowing control of up to 16 individual or group addresses.

  Physical relay outputs programmed as DALI cannot be used for other functions.

- Dovit's intelligent DALI modules use step logic, dimming, and "Direct Arc Power Control" (DAPC) in master mode. All commands to control DALI devices, such as push-buttons or sensors, must be connected to the inputs of the DALI modules.
- Please note that the DAPC function in master mode takes full control of the DALI devices connected to the DALI outputs, meaning no other master-type products (e.g., DALI Multi-Master controllers or other DALI switches) can be connected to the same bus.
- Each DALI device, in addition to intelligent DALI modules, can also be controlled by DOVIT servers and applications.plus des modules intelligents DALI peuvent également être contrôlé par les serveurs et les applications DOVIT.

Description of DALI devices :

- DALI devices of type 1 and 2 can be controlled by the Dovit bus using on/off and dimming (0-100%) through the DAPC function.
- DALI devices of type DT6 have multiple power supplies, each with its distinct DALI address, allowing independent control of each channel (typically used for white balance control). In this case, with the Dovit DALI module, it's possible to send DAPC commands to each independent channel, either as on/off or dimming, and potentially mix channels with scenarios and graphical functions from the Dovit application.
- DALI devices of type DT8 are generally used to control RGB or RGBW lamps. In this case, with a Dovit DALI module, it won't be possible to adjust the color, but it will be possible to control on/off, dimming (for predefined colors in the case of RGB).

Before purchasing a DALI device (type 1, 2, 6, and 8), please verify that DAPC control is supported!

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D-4C-8R-DALI

Connection : (Example of connecting DALI modules)

