DF4I: 4 digital input module for NO contacts

DF4I modules allow to transmit, through the **Domino** bus, 4 ON-OFF signals derived from pushbuttons, switches, and any other free-potential contact supplied by a voltage reference available from the module itself.

DF4I input module provides a 2-pole terminal block for the connection to the bus; as for almost all modules of **Domino** family, the bus itself carries the power supply for the module operation.

On the top of module, a small pushbutton allows the address programming directly by the bus and a green LED shows when the module is ready to receive the address itself; the same LED normally flashes every 2 seconds about to signal that the module is properly operating. A small connector (PRG) allows the connection to the optional tester/programmer.
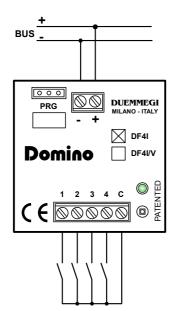
A 5-pole terminal block allows the connection of 4 input contacts plus common. A white label on the top panel allows the writing of the programmed module address for an immediate visual identification.

The small dimensions of DF4I module allow the housing directly in the standard wall box, on the back of the command switches and pushbuttons; thank to this feature, it is possible to use the switching devices of the preferred manufacturer.

For more details about the programming, refer to the related documentation.

Module connection

DF4I module can be connected to free-potential contacts supplied by the common pole (terminal C); following figure shows the proper connections to be made.

DF4I/V: 4 digital input module for NO contacts plus 12 virtual points

DF4I/V modules are identical to DF4I modules, but in addition they provide 12 virtual points to allow the combination of programming functions (see programming manual).

For electrical and mechanical characteristics and for the connections, refer to DF4I module.

DF4I/V module takes 4 consecutive input addresses and 4 consecutive output addresses; to set up the module, a "starting address" has to be assigned to it. E.g., assigning to a DF4I/V module the starting address 9, the same module will automatically take the addresses from 9 to 12 included, both for input and output section. The starting address is related to the 4 physical inputs of the module.

Warning: the starting address must be multiple of 4 plus 1 (e.g. 1, 5, 9, 13, 17, etc.).

If the system requires more than 12 virtual points, it is possible to install more DF4I/V modules on the same bus line, using different starting addresses.
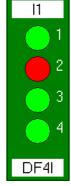
Mapping DF4I

DF4I module can be displayed on the map of BDTools (release 6.0.1 or higher) as in the picture on this right side. As for all **Domino** modules, the background is in green color if the module is connected and properly working, otherwise the background is in red color.
As usual, each input is shown on the map in red or green color depending on the status of the related input.
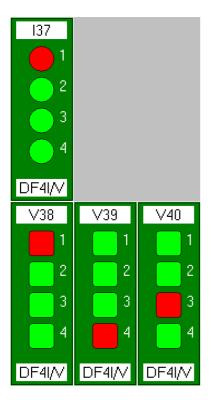
Mapping DF4I/V

DF4I/V module can be displayed on the map of BDTools (release 6.0.1 or higher) as in the following picture.
Being a multi-address module, It is shown as group of more modules: 1 for physical inputs (I37 in the example of the figure) and 3 for virtual points (V38-V39-V40 in the example of the figure), thus simultaneously input and output points.
As for all **Domino** modules, the background is in green color if the module is connected and properly working, otherwise the background is in red color.
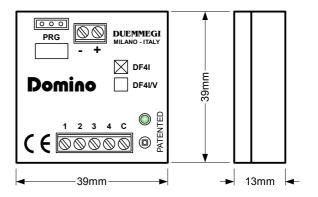As usual, the status of each point is shown on the map in red or green color depending on its activated or deactivated condition.

Technical characteristics

Power supply (bus side)	By specific centralized power supply mod. DFPW2
Number of inputs	4, potential-free contacts only
Current for each input contact	1mA (closed contact), 0mA (open contact)
Input voltage	5Vdc
MAX allowed length for input wires	10 meters
Operating temperature	-5 ÷ +50 °C
Storage temperature	-20 ÷ +70 °C
Protection degree	IP20

Outline dimensions