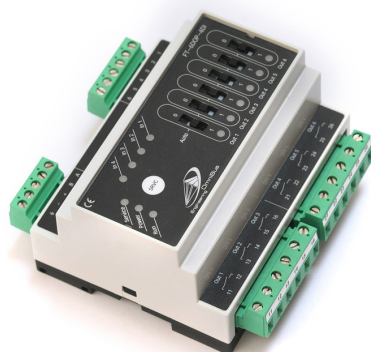
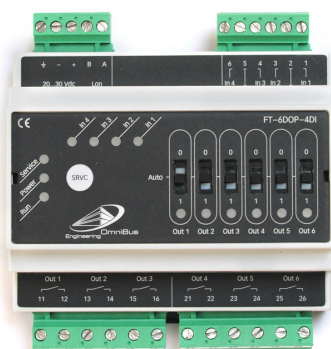


# Module FT-6DOP-4DI

The module to manage lights and any other external devices with an absorption of up to 15 A.



## DESCRIPTION

The LonWorks® module is equipped with 4 digital inputs and 6 digital power outputs.

For each digital output there is a manual switch with 3 positions (0 - A - 1), which allows to set the state independently from the application.

The status of the inputs and outputs is visually indicated via LEDs. Equipped with a very flexible application developed following the guidelines LonMark, this module is ideal for various purposes.

Using the LNS-PlugIn for configuration the operation mode of each digital input and output may be defined.

The technical characteristics of these digital inputs and outputs make them particularly suitable for the management of lamps.

## MAIN FEATURES

- 6 power outputs 15A for lamps up to 2500 W
- 4 digital inputs
- Manual commands
- Up to 8 sceneries for each single output
- Management of time schedules for switching on/off
- Differentiated management for working time
- Integration with presence detection sensors

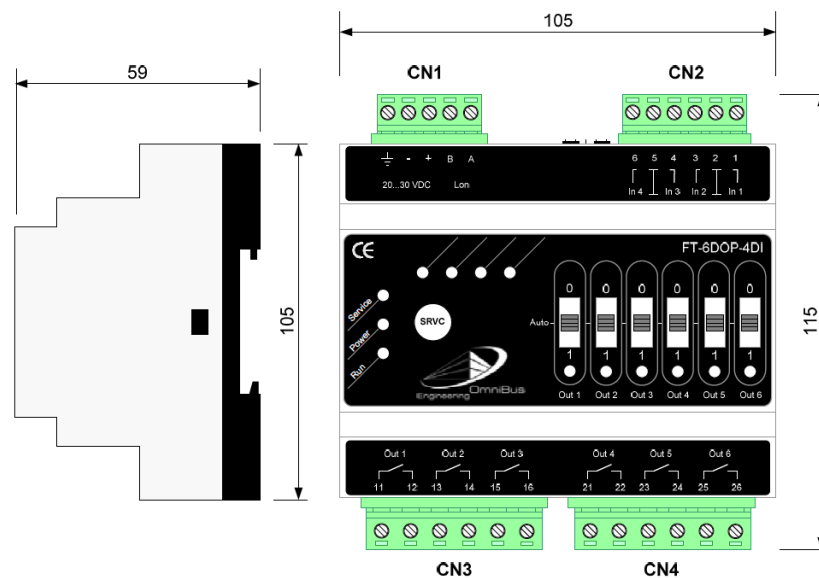


## MODULE FT-6DOP-4DI

## Technical specifications

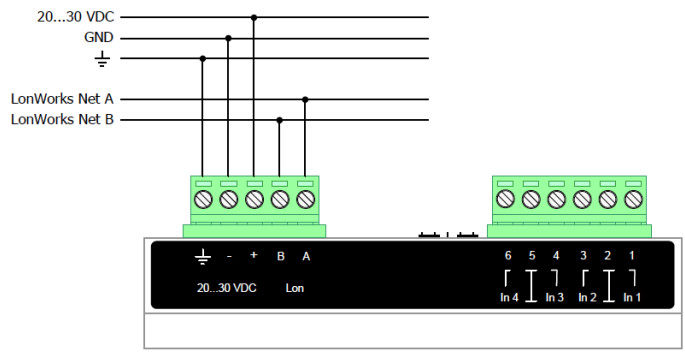
Power supply	20 ... 30 VDC Maximum consumption < 3 W
BUS	LonWorks FTT-10 78Kbps 2-wire without polarity
CPU	Neuron chip FT3150 @ 10MHz 48K Flash 8K RAM
Controls	Service button (Service Pin) 6 Switches with 3 positions each (0 - Auto - 1) for the manual control of the digital outputs (Operation state is independent from the application)
LED Indicators	Power LED (green) Presence of power Service LED (red) Service indicator Run LED (yellow) Application Status LEDs In1...In4 (green) State of digital inputs LEDs Out 1...Out 6 (green) State of digital outputs
Connectors	Power and LonWorks bus removable connector 5-Pin 5.08 mm pitch Digital inputs removable connectors 6-Pin 5.08 mm pitch Digital outputs 2 removable connectors 6-Pin 7.62 mm pitch (max. power 15 A)
Digital power outputs	6 bistable relays with potential-free contact N.A for capacitive loads up to 140 $\mu$ F and lamps up to 2500 W; Maximum switching voltage 440 VAC Maximum switching current 20A Maximum switching power 5000 VA Max. number of mechanical commutations 106
Digital inputs	4 digital inputs for use in "self-powered" mode (Potential free contact) or using external power supply. The operating mode is set via jumper. Active input: 8 ... 30 VDC Non active input: < 4 VDC
Conditions for use	Temperature -5 ... 45 °C Relative humidity 10 ... 90 %
Container	Polycarbonate container (UL 94 V-0) white (top) and black (bottom) for assembly on a DIN rail
Dimensions	105 x 115 x 59 mm (length x width x height)
Regulations	EN 50130-4 EN 61000-6-2, EN 61000-6-3 EN 61000-4-2/3/4/5/6

## Dimensions and Layout

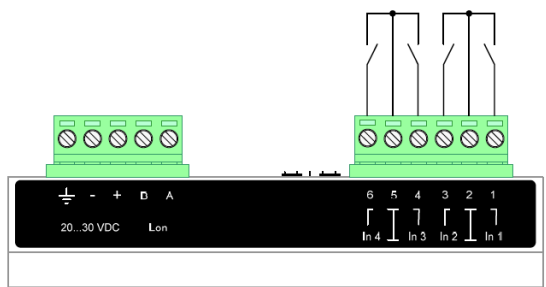


MODULE FT-6DOP-4DI

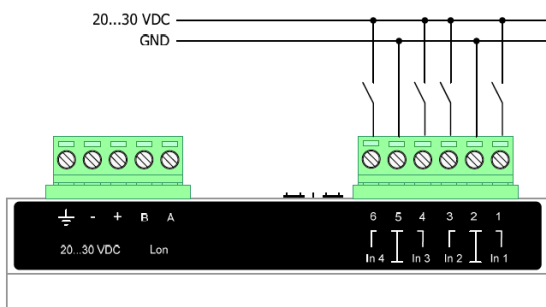
**Power supply and LonWorks bus**



**Digital inputs**

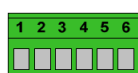


Connecting digital inputs configured as "Self-Powered" (potential free contact)



Connecting digital inputs configured as "External power supply"

CN2 Connector



Configuration jumpers



Operating mode "Self powered"

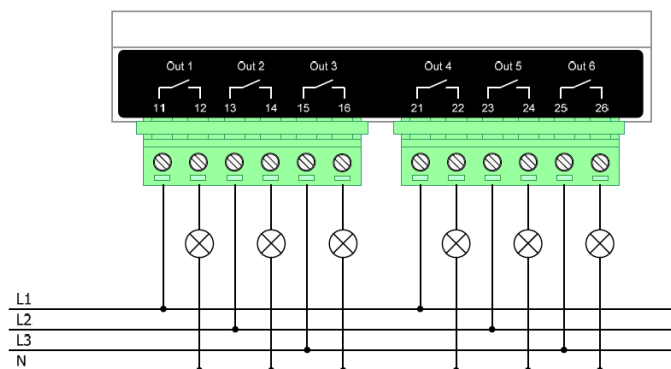


Operating mode "External power supply"



The selection of the operating mode is set via jumper located next to the CN2 connector.

## Digital output



Type of load	Number of commutations	
	100'000	30'000
Incandescence lamps	1250 W	2500 W
Fluorescence lamps, not compensated	1200 W	2500 W
Fluorescence lamps, compensated in parallel	650 W / 70 $\mu$ F	1300 W / 140 $\mu$ F
Fluorescence lamps, duo-circuit	2 x 1200 W	2 X 2500 W
Halogen lamps (230 VAC)	1200 W	2500 W
Low voltage halogen lamps with transformer	500 VA	500 VA
Gas-discharge lamps mercury/sodium, not compensated	1000 W	2000 W
Gas-discharge lamps mercury/sodium, compensated in parallel	1000 W / 70 $\mu$ F	2000 W / 140 $\mu$ F
Dulux lamps, not compensated	800 W	1600 W
Dulux lamps, compensated in parallel	560 W / 70 $\mu$ F	1100 W / 140 $\mu$ F

*Specifications of the loads that can be managed via the digital outputs.*