

GRENTON DIGITAL IN

DIGITAL INPUT MODULE FOR FLUSH-MOUNT ASSEMBLY



Digital input module allows you to connect any digital input with the system.

- enables you to connect four independent binary inputs
- enables you to connect two 230 V inputs
- inputs are fully configurable
- operates in two modes: monostable and bistable
- differentiates a click in monostable mode, short press, long press, and button hold
- recommended installation in a P80 flush or in a flush with side pocket

AUTHORIZED DISTRIBUTOR:

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v. 1.0

CONFIGURATION PARAMETERS

CHARACTERISTICS

Name	Description	
Value	Returns input mode as 0 or 1	
Inertion	Minimum interval in milliseconds which has to pass between presses of a button so that it is interpreted as a new pressing activity	
HoldDelay	Time in milliseconds after which, when pressing and holding a button, the OnHold event occurs	
HoldInterval	Cyclical interval in milliseconds, after which when pressing and holding a button, the OnHold event occurs	
StatisticState	Measurement type. Off - turned off; Continuous - Load measurement through- out the machine cycle/Load measurement over the entire life cycle of the device, Pulse - measurement counted when the input state is high	
Load	Multiplier of measured value. For StatisticState: Continous - consumption value per unit time; Pulse - consumption value per one pulse	

METHODS

Name	Description
SetInertion	Sets Inertion value
SetHoldDelay	Sets HoldDelay value
SetHoldInterval	Sets HoldInterval value

EVENTS

Name	Description	
OnChange	Occurs when a change in the input state takes place (regardless of the value)	
OnSwitchOn	Occurs when the high state is set at input	
OnSwitchOff	Occurs when the low state is set at input	
OnShortPress	Occurs after pressing the button for 500 - 2000 ms	
OnLongPress	Occurs after pressing the button for two seconds	
OnHold	Occurs for the first time after HoldDelay time passes and then cyclically every HoldInterval Value	
OnClick	Occurs after pressing the button for less than 500 ms	

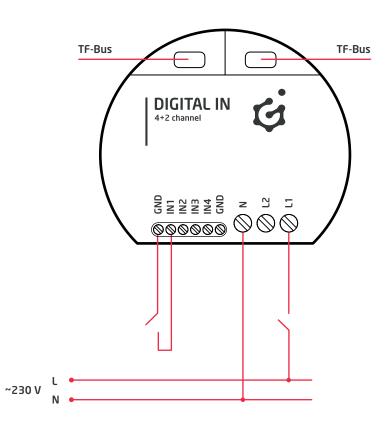




TECHNICAL SPECIFICATIONS

DC supply	5 V
max. current input	4.7 mA
weight	38 g
dimensions (H/W/D)	52/57/21 mm
max. connection wire section	≤ 1.5 mm²
operating temperature range	O to +40°C

WIRING DIAGRAM



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