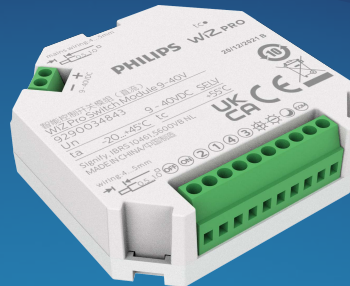# PHILIPS

Switch module

Connected by WiZ Pro

Datasheet

WiZ Pro Switch Module 9-40V

929003484381

Enabling connected lighting system for welcoming spaces

WiZ Pro Switch Module 9V-40V is a DC operated switch module which can work with self-reset switch panel. It can provide features as accessory in the system such as light on/off, dim up/down, night light mode and 4 favorite scenes by connecting different pins. It enables simple, cost effective wireless lighting system for energy saving and comfort. Advanced design of the switch module helps to build a reliable, scalable and standardized connected lighting with different functionalities from simple wireless dimming to cloud based operations.

Benefits
- Easy wireless dimming for energy saving and convenience
- Easy integration with self-reset switch panel to provide control functions
- Local communication protocol not relying on Wi-Fi network and connectivity, so the accessory can control the lights even if Wi-Fi is down. No gateway needed
- Some features can be modified remotely using cloud settings for the lights for favorites of rooms and scenes
- CE certificated

Features
- 9V to 40V DC input
- 9 dry contact pins
- 0.024W standby power
- 50,000 hours lifetime
- Integrated to be used as an accessory in WiZ Pro software suite: https://www.wizconnected.com/en/pro/get-started/

Application
- Residential
- Hospitality
- Restaurant
- Retail
- School
- Leisure places

2021/12

Logistical data

Specification item	value
Product name	WiZ Pro Switch Module 9-40V
12NC	929003484381
Pieces per box	240 pcs

Product Data

All specifications are typical and at 25 °C Tcase unless otherwise specified.

Electrical data

Specification item	Value	Unit	Conditions
Rated input voltage	9...40	Vdc	Functional range
Rated input current	300	mA	@ 9V, press button, pulse value
Standby power	0.03	W	@ 9V input voltage
ESD	4KV @ HBM, 8KV @ air		

Notes:

1) Input SELV constant voltage only.

Interface

Specification item	Value	Unit	Conditions
Button type mechanism	Momentary action		
Dry contact pins	9	pin	
Current capability	1	mA	

Notes:

1) Switch panel press interval should >200ms

RF interface

Specification item	Value	Unit	Conditions
Communication method	Wi-Fi		
Wi-Fi Frequency	2400-2483.5	MHz	IEEE Std 802.11 b/g,
Wi-Fi Transmission power	20	dbm	Maximum
Wi-Fi channel	1...13		

Indicator

Specification item	Value	Unit	Conditions
LED indicator	Blue Color, indicating the paring status and other procedures		

Operational temperature and humidity

Specification item	Value	Unit	Conditions
Ambient temperature	−20...+45	°C	
Relative humidity	10...90	%	

Storage temperature and humidity

Specification item	Value	Unit	Conditions
Ambient temperature	–25...+85	°C	
Relative humidity	5...95	%	

Lifetime

Specification item	Value	Unit	Conditions
Lifetime	50,000	Hours	Maximum failures=10%

Certificates and standards

Specification item	Value
Approval marks	CB / CE, RED
Environment	RoHS / REACH
Connection	Wi-Fi IEEE802.11 b/g
Audible noise	< 20 dBA @30cm
Ingress Protection	IP20

Notes:

Hereby, [Signify] declares that the radio equipment type [WiZ bridge boxes] is in compliance with Directive 2014/53/EU (RED). The full text of the EU declaration of conformity is available at the following internet address: wizconnected.com.

Wiring & Connections

Specification item	Value	Unit	Conditions
Input Connector for Mains (A1, A2)	0.5...1.0	mm^2	Tolerance: +/- 0.1mm^2
Wire Strip Length (A1, A2)	4...5	mm	
Output Connector for Switch panel (B1...B9, D)	0.5...1.0	mm^2	Tolerance: +/- 0.1mm^2
Wire Strip Length (B1...B9, D)	4...5	mm	

Example of connection:

+
Input DC 9-40V
–

**Resettable Switch
1...9**

Common Wire
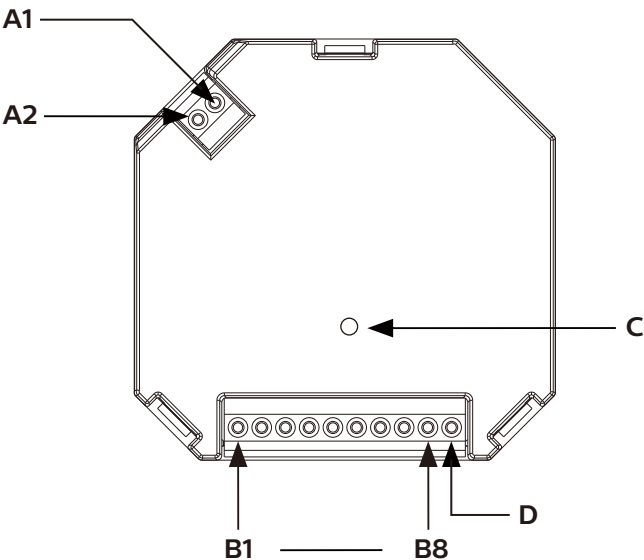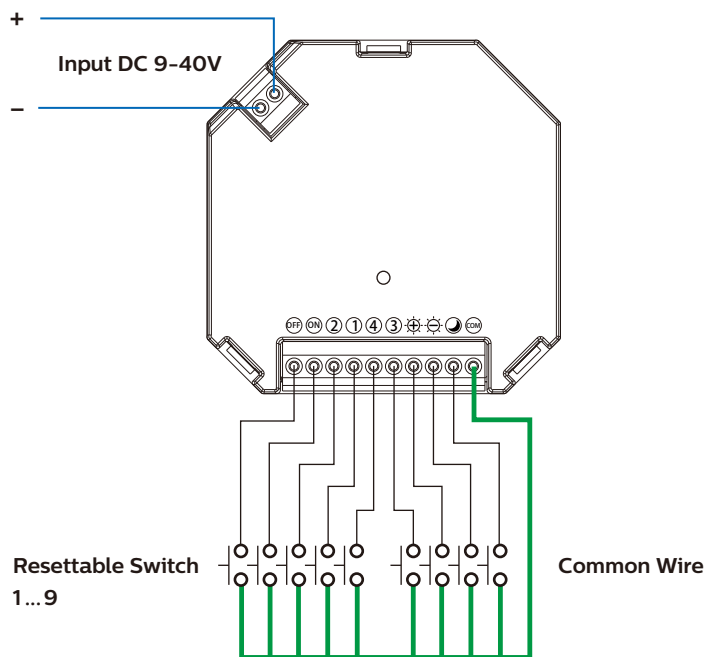
1. Connect B1...B9 terminal to resettable switch panel terminals.
2. Connect another terminal of the resettable switch to COM terminal.
3. Plug mains cables into the switch module mains terminals.

Notes: DC voltage input should be SELV.

Wire definition:

	Specification item	Definition	Remark
A1	DC (+)	DC input plus terminal	SELV input
A2	DC (–)	DC input negative terminal	SELV input
B1	OFF	Turn off light	
B2	ON	Turn on light	
B3	2	Favorite mode 2	Fav. 2
B4	1	Favorite mode 1	Fav. 1
B5	4	Favorite mode 4	Fav. 4
B6	3	Favorite mode 3	Fav. 3
B7	⊕	Dim up	
B8	⊖	Dim down	
B9	🌙	Night mode	
D	COM	Common terminal	
C	LED	Led indicator	

Dimensions and weight

Specification item	Value	Unit	Conditions
Dimensions L x W x H	45 x 45 x 13.3	mm	Tolerance: +/- 0.1mm
Color	White		
Weight	20	gram	
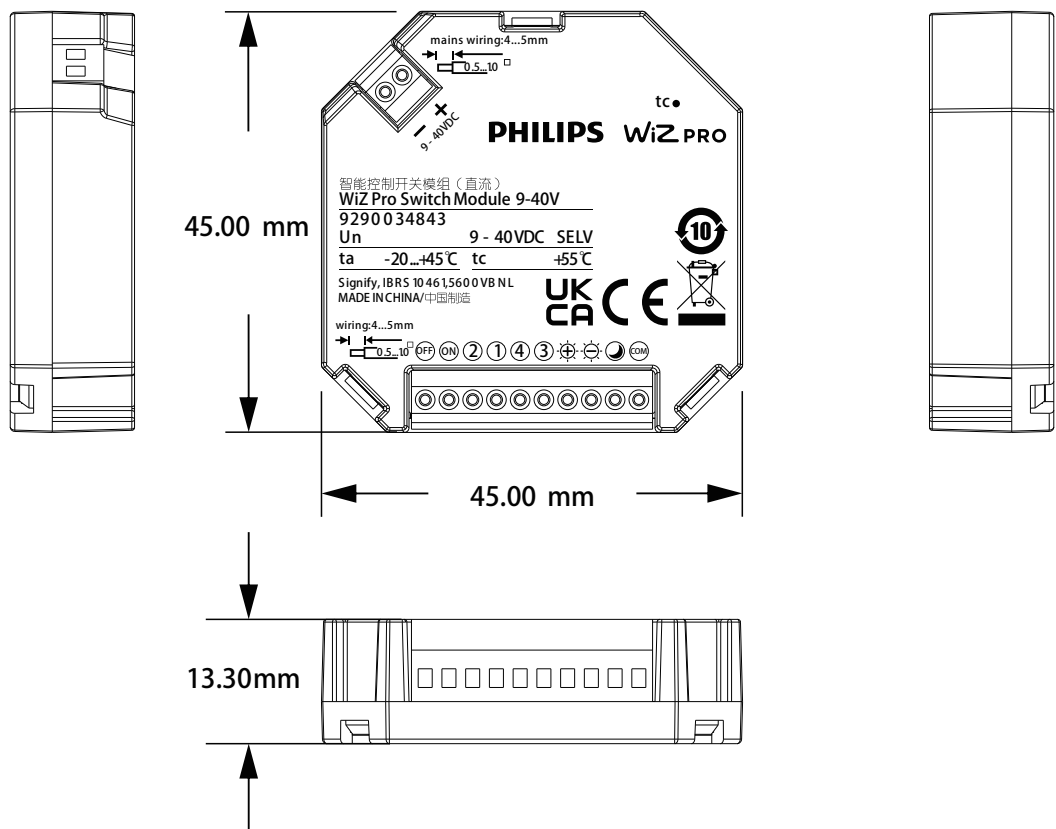
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https://www.wizconnected.com/en/
pro/get-started/