Bluetooth time control relay JART8-TS Instruction Manual
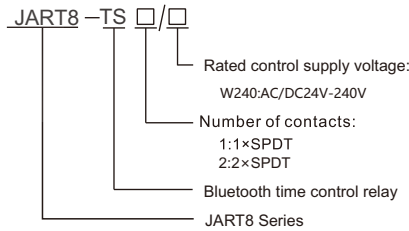
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General

■ Applications
 -Bluetooth time control relay can be used for industrial equipment, lighting control, heating element control, motor and fan control, and regularly turn on and off loads.

■Function Features
 -The relay is set through Bluetooth connection of mobile phone app, which is simple and easy to operate.
 -8 / 16 group timing setting.
 -It has two working modes: automatic and manual.
 -It has AC / DC 24v-240v ultra wide working voltage.
 - Relay status is indicated by LED.
 - 1-MODULE,DIN rail mounting.
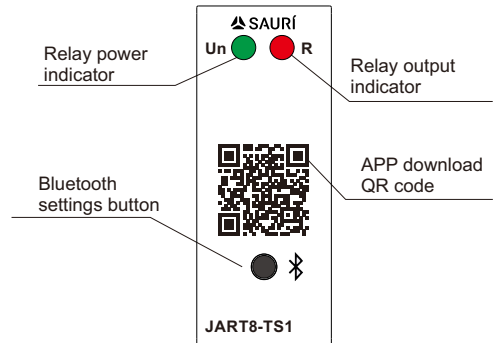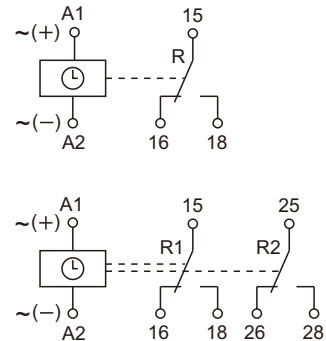
■Model and connotation

JART8 –TS □/□

 Rated control supply voltage:
 W240:AC/DC24V-240V
 Number of contacts:
 1:1×SPDT
 2:2×SPDT
 Bluetooth time control relay
 JART8 Series

Technical parameters

	JART8-TS1	JART8-TS2
Function	Bluetooth time control relay	
Supply terminals	A1-A2	
Voltage range	AC/DC 24-240V 50Hz	
Burden	AC 0.09-3VA/DC 0.05-1.7W	
Supply voltage tolerance	-15%;+10%	
Supply indication	green LED	
Number of timers	8-ON/8-OFF	2×8-ON/2×8-OFF
Time setting	APP(Bluetooth connectivity)	
Time deviation	±2s/day	
Output	1× SPDT	2× SPDT
	16A/AC1	
Min.breaking capacity DC	500mW	
Output indication	red LED	
Mechanical life	$1×10^7$	
Electrical life(AC1)	$1×10^5$	
Operating temperature	-20℃ ~ +55℃	
Storage temperature	-35℃ ~ +75℃	
Mounting/DIN rail	Din rail EN/IEC 60715	
Protection degree	IP20	
Operating position	any	
Overvoltage cathegory	III.	
Pollution degree	2	
Max.cable size(mm^2)	1×2.5mm^{2}或 2×1.5mm^2 0.4N·m	
Dimensions	90mm×18mm×64mm	
Weight	W240-62g,A230-60g	W240-82g,A230-81g
Standards	GB/T14048.5,IEC60947-5-1,EN 61812-1	

Panel Diagram

Relay power indicator
Relay output indicator
Bluetooth settings button
APP download QR code
JART8-TS1

Wiring Diagram

~(+) A1   15
 R
~(−) A2   16   18

~(+) A1   15   25
 R1   R2
~(−) A2   16   18   26   28

Setting instructions

1: Confirm that the Bluetooth switch of the mobile phone is on.

2: Open the mobile browser (Android) to scan the QR code (or as shown in the figure below) and download the APP.You can also download the APP by entering the download address in the browser.
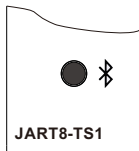
http://47.111.97.64:8776/BTRen.apk

3:Open the APP and set the timer according to the prompt.

NOTE 1: if you need a detailed app operation manual, please contact the after-sales department for it.

NOTE 2: when the timer needs to work in the automatic timing mode, please confirm that the relay working state displayed in App is automatic.

4: When multiple relays need to be set at the same time, multiple relays will be searched in the equipment list. At this time, press and hold the relay panel button to be set for 3 seconds to search the equipment list again. At this time, the word wait setting will be added after changing the equipment name of the relay. Click to enter the setting of the relay. After 2 minutes, the equipment name will return to normal. If you need to restore the factory settings, such as forgetting the entry password, you can press and hold the button for 10 seconds.

JART8-TS1

Indicator

1. The green indicator Un is used to indicate the power status of the relay. After the power is turned on, the green indicator.The indicator light is always on. When the panel key is pressed, the green indicator light will flash.

2. The red indicator R is used to indicate the relay output status, and the indication meaning is as follows:
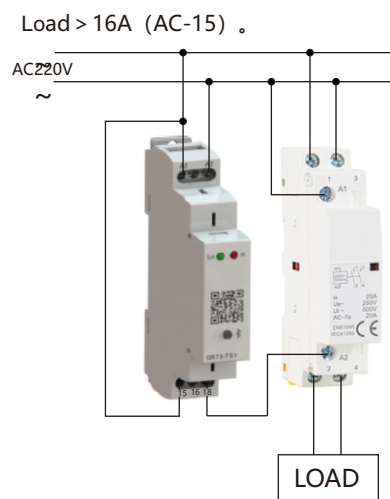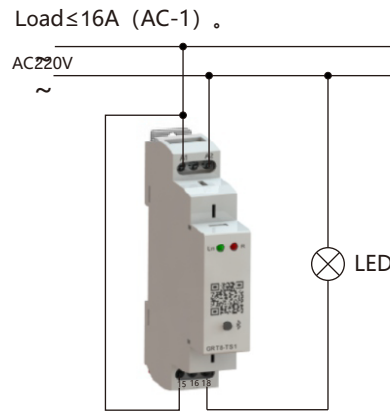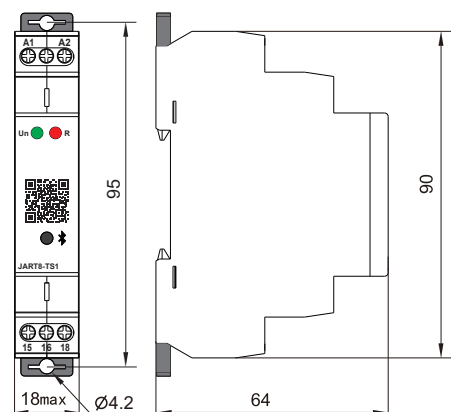
JART8-TS1

Red LED R status	Relay status
	15○ ⌐○18 ⌐○16
	15○ ⌐○18 ⌐○16

JART8-TS2

Red LED R status	Relay1 status	Relay2 status
	15○ ⌐○18 ⌐○16	25○ ⌐○28 ⌐○26
	15○ ⌐○18 ⌐○16	25○ ⌐○28 ⌐○26
	15○ ⌐○18 ⌐○16	25○ ⌐○28 ⌐○26
	15○ ⌐○18 ⌐○16	25○ ⌐○28 ⌐○26

3. When the red and green indicators flash at the same time, it indicates that the time needs to be calibrated. Connect the relay with app again to automatically calibrate the time.

Wiring diagram

Load≤16A（AC-1）。

Load > 16A（AC-15）。

Dimensions(mm)

Disposal of Electrical Waste
All electrical waste should be disposed of in compliance with current WEEE regulations.

Caution
The products must be installed by qualified electricians. All and any electrical connections of the product shall comply with the appropriate safety standards.