Smartphone Enable –

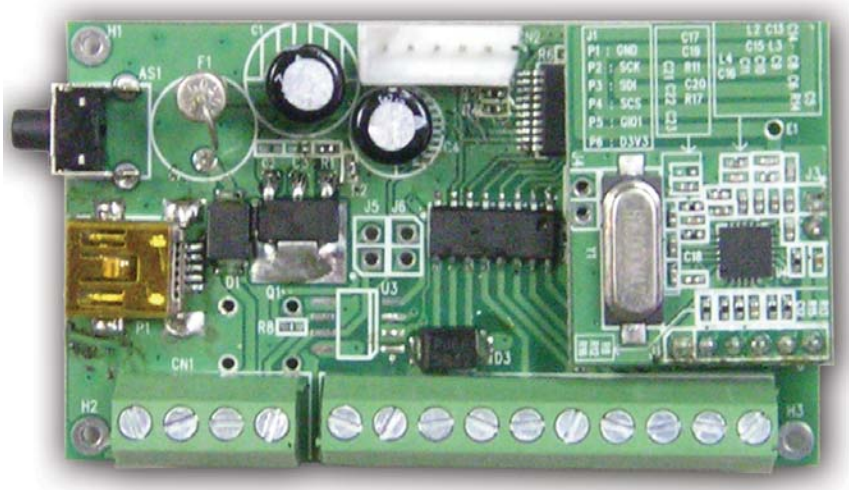
SL878X7

2.4GHz Wireless Remote 7 Channel Driver Module

General Description

SL878X7, a 2.4GHz ISM band wireless remote high current Darlington arrays, contains seven open collector Darlington pairs with common emitters. Each channel is rated at 500mA and able to withstand peak currents of 600mA. Together with SWiRAS gateway and application software, via local network and internet, SL878-x7 can be easily controlled by a SmartPhone (including iPhone, Android Phone and all the other smart phones) or PC sending specified commands. Thus, this versatile device is useful for driving a wide range of loads including solenoids, relays DC motors, LED displays, filament lamps and high power buffers in the remote site.

2.4GHz Wireless Remote 7 Channel Driver



Applications

- Solenoids, relays DC motors, LED displays and filament lamps control
- Home automation
- Wireless remote controlled by SmartPhone
- Switch On/Off light, fan and all the other electric appliances by SmartPhone.

Joybien Technologies Co., Ltd. TEL:02-8227-3098 ext. 201 http://www.joybien.com
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Features

- No plug-in and unplug inconvenience for saving standby power
- Operating frequency: 2400MHz ~ 2483.5 MHz ISM Band
- Low power consumption: 5Vdc x 30mA
- 500mA high current output per channel
- Easily control SL878X7 by SmartPhone via SWiRAS
- Application ranging from simple domestic remote control to autonomous control
- Extremely easy to set-up and operate
- Android application program available
- Home page control from PC/NB via SWiRAS
- SWiRAS (Smart Wireless Remote Access Solution) compatible device
- Direct wireless connectivity to SWiRAS gateway

Specification

Type	2.4GHz wireless remote 7 channel driver module
Input Voltage	5Vdc
Output Voltage	50Vdc
Output Current	500mA per driver (600mA peak)
Transmission Frequency	2400 ~ 2480MHz
Local Interface	Learn button (AS1) Learn indicator LED
Remote Interface	HTTP/HTML 2.4GHz wireless Ethernet control hub (SWiRAS Gateway) (Option); Smartphone via application software such as Android application software
Encoding Type.	Learning code between mains socket switch and SWiRAS
Notes	Refer to ULN2003 Darlington Arrays IC for I/O detailed specifications

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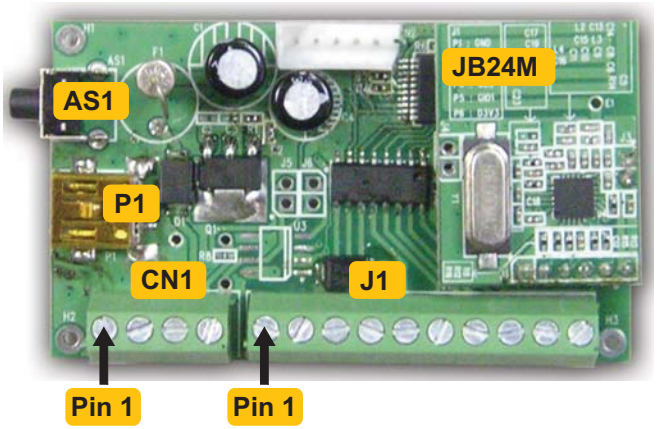
PIN & connector Configuration



Pin Description (I: input; O: output; I/O: input/output)

J1

Pin No	Symbol	I/O	Function Description	Notes
1	5Vout	P/O	DC+5V Output (Direct connect to Input Power)	
2	COM	O	Common Free Wheeling Diodes	
3	O7	I/O	Open Collector output with Common Emitter	
4	O6	I/O	Open Collector output with Common Emitter	
5	O5	I/O	Open Collector output with Common Emitter	
6	O4	I/O	Open Collector output with Common Emitter	
7	O3	I/O	Open Collector output with Common Emitter	
8	O2	I/O	Open Collector output with Common Emitter	
9	O1	I/O	Open Collector output with Common Emitter	
10	GND	P	Ground	

CN1

Pin No	Symbol	I/O	Function Description	Notes
1	5Vin	P/I	DC+5V input pin	
2	GND	P	GND	
3	N/A			
4	N/A			

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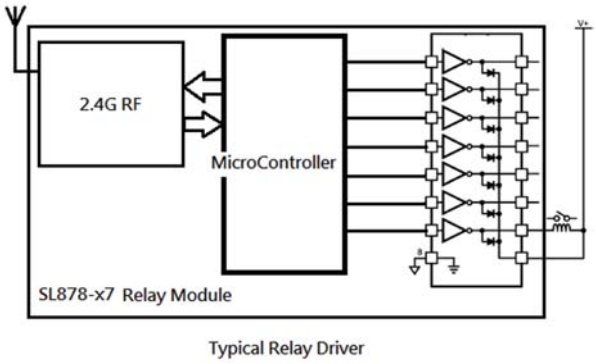
Power input socket(P1)

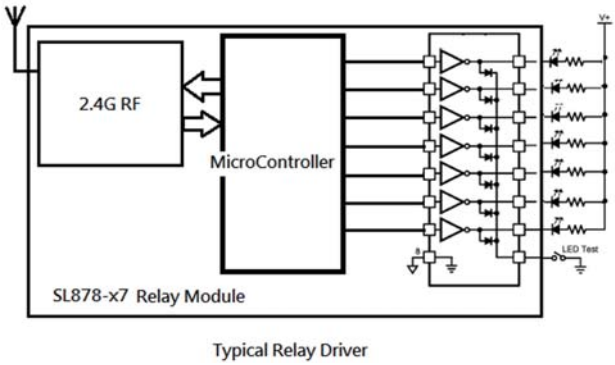
P1: 5Vdc input pin socket

Typical Software Applications

Android Application software available

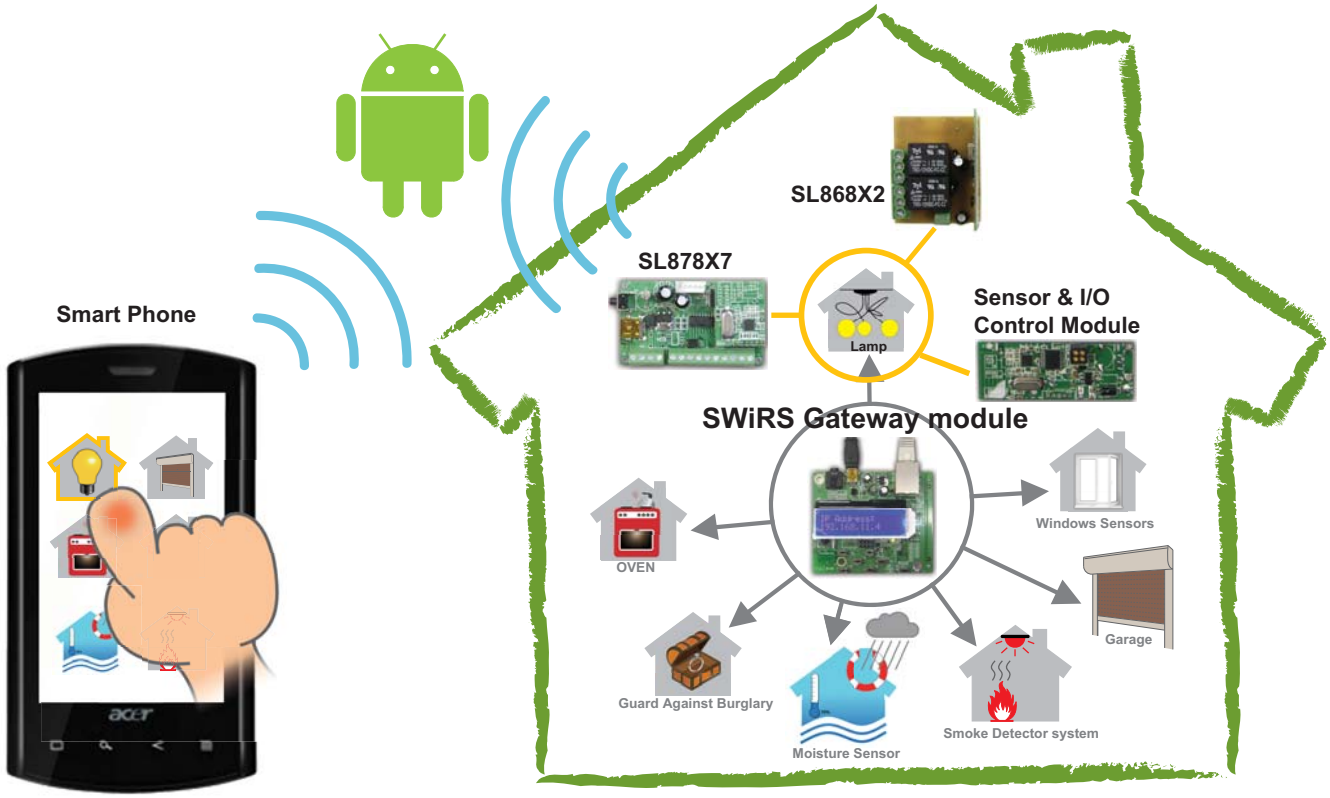


Typical Relay Driver



Typical Relay Driver

Application



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Package Included

1 x 2.4GHz Wireless Remote 7 Relay Mmodule

1 x JB24M 2.4G RF Module

Ordering Information

Part No	Package	Units
SL878X7		