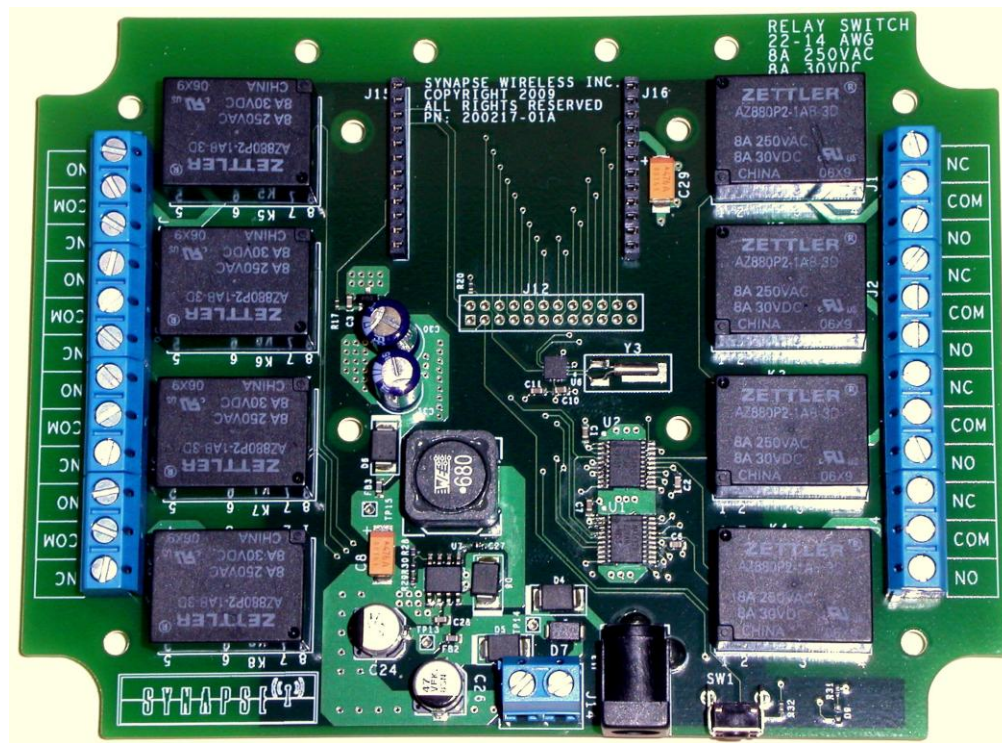




Wireless Technology to Control and Monitor Anything from Anywhere™

SNAPwire SNAP® Relay 8

Wireless Programmable Relay Control



(RF Engine and enclosure sold separately)

The KS-8 provides wireless control of 8 SPDT latching relays over your SNAP network. The internal socket is compatible with Synapse standard RF Engine modules.

Relays:	250VAC 8A, 30VDC 8A – 1 FORM C – Latching
Features:	On-board programmable real-time clock (RTC)
Power Supply:	5.5V to 36V DC - via terminal block or barrel connector (2.1mm)
Terminals:	22 – 14 AWG
Board Dimensions:	5 1/8" x 3 7/8"
Expansion:	9 GPIO pins from RFE available at J12 (includes 3 analog)
Stacking:	SN171 ProtoBoard provides I/O terminal blocks and RS232 (Sold Separately)
Enclosure:	Supports <i>POLYCASE</i> LP-70 series enclosure (Sold Separately)
Part Number:	SN00001



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J12 – Expansion connector

Pin assignments map directly to RFE module pinout.

Unassigned pins are available for general expansion use.

Pin	RF Engine	KS-8
1	GND	
2	GPIO0_TPM1CH2	
3	GPIO1_KBI0	LED
4	GPIO2_KBI1	RTC *IRQ output
5	GPIO3_RX_UART0	
6	GPIO4_TX_UART0	Relay SPI enable
7	GPIO5_KBI4_CTS0	Pushbutton Switch
8	GPIO6_KBI5_RTS0	Relay DRV enable
9	GPIO7_RX_UART1	
10	GPIO8_TX_UART1	
11	GPIO9_KBI6_CTS1	
12	GPIO10_KBI7_RTS1	
13	GPIO11_AD7	
14	GPIO12_AD6	Relay SPI MOSI
15	GPIO13_AD5	Relay SPI CLOCK
16	GPIO14_AD4	Relay SPI MISO
17	GPIO15_AD3	
18	GPIO16_AD2	
19	GPIO17_AD1	RTC i2c DATA
20	GPIO18_AD0	RTC i2c CLOCK
21	VCC	
22	PTG0/BKDG	
23	RESET*	
24	GND	