

# Noby 22

## Relay Module

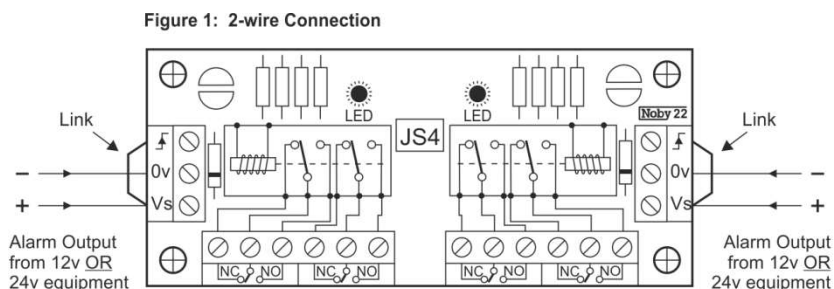
The **Noby-22 Relay Module** is designed for use in both 12v and 24v alarm systems and features two separate relays. The DPDT voltage-free contacts permit switching of four independent circuits. Bridging a relay's two contact set together creates an effective single contact with a switching capacity of up to 4 amps. On-board LEDs display the activation state of each relay. Four adhesive mounting pillars are supplied with the Noby-22.

Typical applications include:

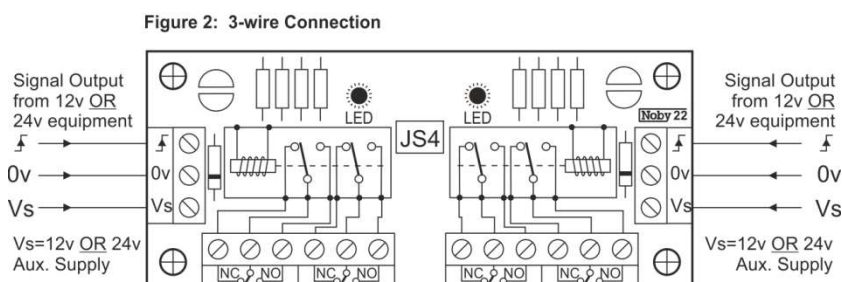
- switching high currents directly from the battery (via an in-line fuse).
- signal isolation between various parts of a system operating from different voltage supplies.

Technical Specification	Value	Unit
Absolute Maximum Supply Voltage	30	VDC
Supply Voltage Range	10 - 30	VDC
Operating Current Per Relay: Vs = 12v Vs = 24v	15 18	mA
Standby Current	0	mA
Relay Type	DPDT	
Contact Power Rating	60	VA
Contact Current Rating @28VDC	2.0	A
Maximum Contact Current	2.0	A
Isolation Voltage: coil to contacts contacts to contacts	1000	VAC
Insulation Resistance: coil to contacts contacts to contacts	> 1000	Mohm
Signal Input Resistance	4.7	kohm
Signal Input Operating Threshold	> 4.0	V
Operating Status LED	Yes	
Coil Suppressor Diode fitted	Yes	
PCB Dimensions	90 x 40	mm

Figure 1 illustrates a 2-wire connection which is suitable for most outputs capable of delivering in excess of 20mA. Note that a link must be connected between the +ve Vs terminal and the signal input as shown.



The arrangement shown in Figure 2 is applicable where only a weak signal output is available from the alarm equipment. In this case the Noby-22 is powered from an auxiliary supply voltage, with the relay now being driven by the signal line.



**WARNING: THIS DEVICE IS NOT INTENDED FOR SWITCHING 230VAC OR OTHER DANGEROUS VOLTAGES, AND ANY ATTEMPT TO DO SO MAY CREATE AN ELECTRICAL SHOCK HAZARD.**

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