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Product Name :

Simple Circuit Module Reed Relay

Product Code :

SLE/EM/30



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Description :

Simple Circuit Module Reed Relay (Product Code: SLE/EM/30) lets one circuit switch another.A current through the relay coil produces magnetism that makes the reed switch a second,separate circuit, and a series resistor protects the reed contacts from short-circuit damage.Teachers use it to show electromagnetic switching in action and to build simple control circuits,making it a practical part of any electromagnetic kit for schools and colleges. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Key Details

Parameter	Detail
Type	Reed relay module, Simple Circuit Modules series
Operating principle	Current through the coil produces magnetism that causes the reed to switch another circuit
Contact protection	Series resistor protects the reed contacts from short-circuit damage
Purpose	Demonstrating electromagnetic switching and relay control circuits
Suitable for	School and college physics and basic electronics practicals

Typical Use

A typical layout uses two circuits. In the first, a cell and a push switch drive the relay coil; in the second, the reed contacts sit in a loop containing a buzzer or LED board with its own supply. Pressing the switch energises the coil, the reed switches and the buzzer or LED responds — showing how a small control current can operate a separate load, the same idea used in door alarms and automatic lighting. Bringing a bar magnet close to the relay also operates the reed, a neat way to link the lesson back to magnetism.

Keep both circuits on low-voltage supplies and wire the control side and the switched side clearly apart so students can trace each loop. Thanks to the protective series resistor, an accidental short on the switched side is less likely to damage the reed contacts, which suits hands-on student work. The coil’s operating voltage is not stated in our listing, so check it with us before choosing a supply.

Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab, makes this reed relay module in Ambala, Haryana. For institutional vendor registration, the company’s GSTIN is 06AAECJ8618A1ZT and its Legal Entity Identifier (LEI) is 3358004HRD1JIVXKYX49. See our company profile for more.

Related Laboratory Equipment

Modules for building relay control circuits: