



## High Sensitivity CMOS Relays

The Tempatron high sensitivity CMOS relays operate from a wide ranging 3.5Vdc to 50Vdc input and have 2 pole isolated changeover output relay contacts, making them ideal for use with CMOS devices.

A Darlington pair in the input circuitry gives these relays very sensitive input switching, together with a wide ranging input voltage and very low current requirements.

These relays are available in 12Vdc and 24Vdc versions and are housed in a compact 36mm x 36mm square enclosure for surface/DIN rail mounting to a socket.

### Models Available

**HSR-12VDC** CMOS Relay 12Vdc

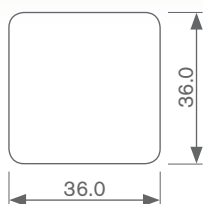
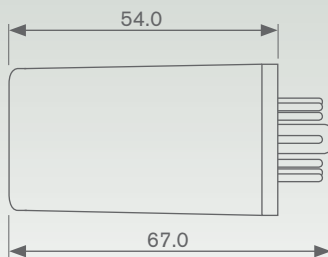
**HSR-24VDC** CMOS Relay 24Vdc

### Product Features

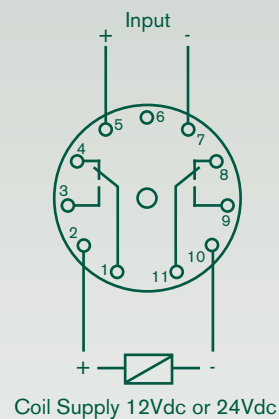
- High sensitivity input circuit
- 2 pole changeover relay output
- Ideal for use with CMOS devices
- Available in 12Vdc or 24Vdc versions
- Plug-in sockets also available

## High sensitivity relays ideal for switching from CMOS devices

### Dimensions



### Connections



[View on pins](#)

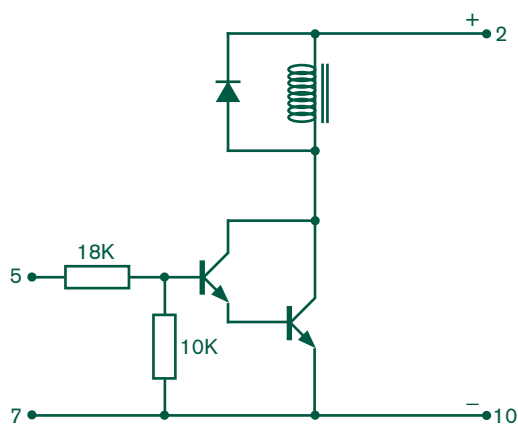
**Ordering information**

Model	Code	Description
	HSR	High Sensitivity CMOS Relay

Auxiliary Power	Code	Description
	12VDC	12Vdc
	24VDC	24Vdc

Plug-in Bases	Code	Description
	CDSR11	11 Pin Rear Screw Panel Socket
	AZ611	11 Pin DIN Rail/Panel Mount Socket
	S11P	11 Pin DIN Rail/Panel Mount Socket

<b>Example</b>	<b>HSR-24VDC</b>
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**Equivalent Circuit****Specification****Minimum Input Voltage:**

- 3.5Vdc

**Maximum Input Voltage:**

- 50Vdc

**Input Current:**

- 125 $\mu$ A @ 3.5V
- 240 $\mu$ A @ 5V
- 800 $\mu$ A @ 15V
- 1.75mA @ 50V

**Coil Voltage:**

- 9-15Vdc (12Vdc version)
- 18-30Vdc (24Vdc version)

**Maximum Coil Current:**

- 75mA (12Vdc version)
- 37mA (24Vdc version)

**Relay Output:**

- 2 pole changeover contacts

**Contact Rating:**

- 10A at 240Vac/30Vdc (resistive)

**Contact Material:**

- AgNi90/10

**Operating Temperature:**

- 0°C to 50°C

**Enclosure Code:**

- Case IP40

**Weight:**

- 60g

**Markings:**

- CE marked (meets EN61010-1 low voltage and EN50081-1/50082-1 EMC directives)

Specification subject to change without notice.

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**TEMPATRON**

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