D200 Series

High Power 200W reed relay with 7kV isolation

- ***200W switching power***
- ***7kV Isolation across contacts***
- ***Low Contact Resistance***
- ***PCB Mount***
- ***Excellent AC characteristics***

The D200 series combines a high power 200W switching capacity with isolation of 7kV across the contacts.

This switching performance is achieved through the use of high vacuum reed switches with Tungsten contacts and make these relays suitable for high reliability applications, such as test equipment and high voltage power supplies.

These are PCB Mount relays, though custom options may be available on request.

Contact Specification	**Unit**		**Condition**
Switch Action			SPNO
Contact Material			Tungsten
Isolation across contacts	kV	DC or AC peak	7
Switching Power Max.	W	resistive	200
Switching Voltage Max.	V	DC or AC peak	2500
Switching Current Max.	A	DC or AC peak	3
Carry Current Max	A	DC or AC peak	5
Capacitance across contacts	pF	coil to screen grounded	0.8 typ
Lifetime operations		dry switching	10^9
		50W switching	10^6
Contact Resistance	mΩ	max (typical)	600
Insulation Resistance	Ωmin	(typical)	(10^{13})

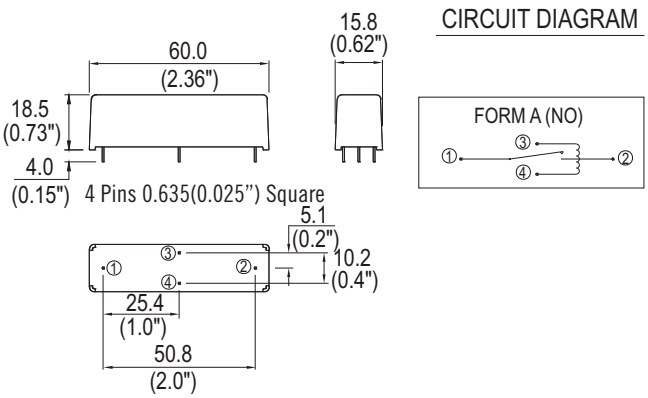
Coil Specification			**5V**	**12V**	**24V**
Must Operate Voltage	V	DC	3.75	9	20
Must Release Voltage	V	DC	0.5	1.25	4
Operate Time	ms	diode fitted	6.0	6.0	6.0
Release Time	ms	diode fitted	1.0	1.0	1.0
Resistance	Ω		28	150	780

Relay Specification		
Isolation contact/coil	kV	17
Insulation resistance contact to all terminals	Ωmin	(typical) 10^{10} (10^{13})
Environmental Operating Temp range	ºC	20 to +70

Standard Parts	**Coil Voltage Vdc**
DAT200-05	5
DAT200-12	12
DAT200-24	24

Please refer to this document for circuit design notes:-
http://www.cynergy3.com/blog/application-notes-reed-relays-0

Mechanical Dimensions



CIRCUIT DIAGRAM

Cynergy3 Components Ltd.
7 Cobham Road
Ferndown Industrial Estate
Wimborne, Dorset BH21 7PE
Telephone +44 (0) 1202 897969

Email:sales@cynergy3.com