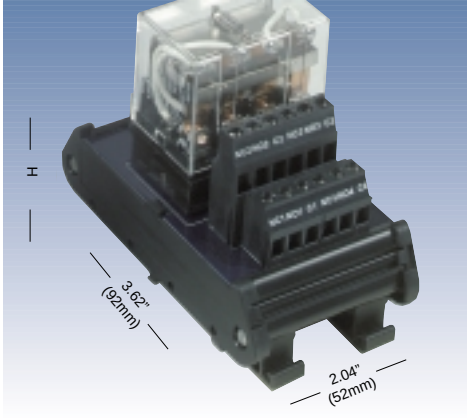



IMRL ___ ___ ___ 4

4 Pole Relay

| Pluggable Relays, with indication | | | |
|---|---|---|---|
| Type | Catalog No. | Height | Voltage |
| IMRL006P4 | 14030 | 3.26" (82.8mm) | 6 VDC |
| IMRL012P4 | 14031 | 3.26" (82.8mm) | 12 VDC |
| IMRL024P4 | 14032 | 3.26" (82.8mm) | 24 VDC |
| IMRL025P4 | 14033 | 3.26" (82.8mm) | 24 VAC |
| IMRL120P4 | 14034 | 3.26" (82.8mm) | 120 VAC |
| IMRL230P4 | 14035 | 3.26" (82.8mm) | 230 VAC |
| **Fixed Relays, with indication** | | | |
| Type | Catalog No. | Height | Voltage |
| IMRL006F4 | 14048 | 2.74" (69.6mm) | 6 VDC |
| IMRL012F4 | 14049 | 2.74" (69.6mm) | 12 VDC |
| IMRL024F4 | 14050 | 2.74" (69.6mm) | 24 VDC |
| IMRL025F4 | 14051 | 2.74" (69.6mm) | 24 VAC |
| IMRL120F4 | 14052 | 2.74" (69.6mm) | 120 VAC |
| IMRL230F4 | 14053 | 2.74" (69.6mm) | 230 VAC |
| **Socket Only, with indication** | | | |
| Type | Catalog No. | Height | Voltage |
| IMRL000B4 | 14092 (without indication) | | Any |
| IMRL024B4 | 14086 | | 24 VDC |
| IMRL120B4 | 14088 | | 120 VAC |
| IMRL230B4 | 14089 | | 230 VAC |

# Interface Solid State Relay Sockets

The IMSR solid state relay socket modules from ASI provide an easy means to add any standard 0.45" wide solid state relay to an industrial control system.

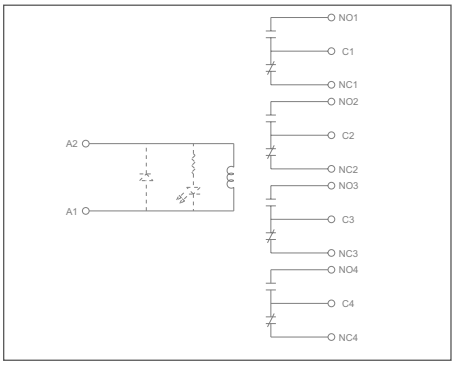
The IMSR is available in 1 to 16 channel versions. Removable pin jumpers are used with multi-channel versions to jumper the Vcc logic voltage and the logic ground across multiple channels.

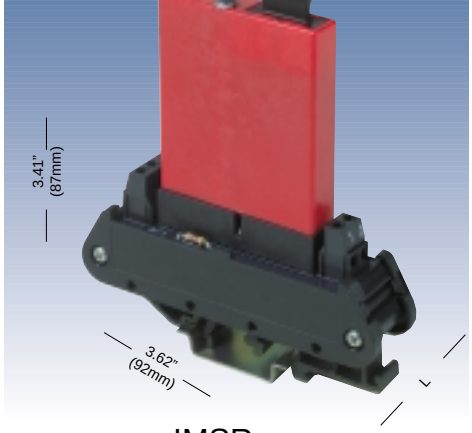
Utilizing this jumper can eliminate the need to connect logic supply voltage and ground wires to each channel resulting in substantial labor savings. The jumpers can also be removed for applications requiring isolated channels. Modified and custom versions are also available, contact ASI to discuss your needs.

For modules without indication, contact ASI for type/catalog numbers.

IMRL...4

Typical Schematic




IMSR...

Solid State Relay Socket

| Type | Catalog No. | No. Channels | Length |
|---|---|---|---|
| IMSRP01 | 13000 | 1 | 0.90" (22.9mm) |
| IMSRP02 | 13001 | 2 | 1.71" (43.4mm) |
| IMSRP03 | 13002 | 3 | 2.52" (64.0mm) |
| IMSRP04 | 13003 | 4 | 3.33" (84.6mm) |
| IMSRP05 | 13004 | 5 | 4.14" (105.2mm) |
| IMSRP06 | 13005 | 6 | 4.95" (125.7mm) |
| IMSRP07 | 13006 | 7 | 5.76" (146.3mm) |
| IMSRP08 | 13007 | 8 | 6.57" (166.9mm) |
| IMSRP09 | 13008 | 9 | 7.38" (187.5mm) |
| IMSRP10 | 13009 | 10 | 8.19" (208.0mm) |
| IMSRP11 | 13010 | 11 | 9.00" (228.6mm) |
| IMSRP12 | 13011 | 12 | 9.81" (249.2mm) |
| IMSRP13 | 13012 | 13 | 10.62" (269.8mm) |
| IMSRP14 | 13013 | 14 | 11.43" (290.3mm) |
| IMSRP15 | 13014 | 15 | 12.24" (310.9mm) |
| IMSRP16 | 13015 | 16 | 13.05" (331.5mm) |

## Coil Technical Data

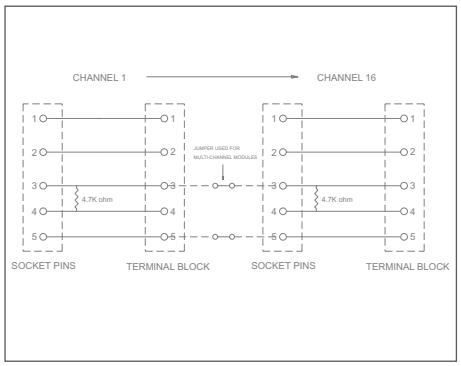
| Coil Voltage | Coil Current | Coil Resistance | Coil Voltage | Pick Up Voltage | Drop Out Voltage | Max. Power | Max. Voltage |
|---|---|---|---|---|---|---|---|
| 6 VDC | 150mA | 40W | 6 VDC | 4.8 VDC | .6 VDC | ~ .9W | 6.6 VDC |
| 12 VDC | 75mA | 160W | 12 VDC | 9.6 VDC | 1.2 VDC | ~ .9W | 13.2 VDC |
| 24 VDC | 36.9 mA | 6.50W | 24 VDC | 19.2 VDC | 2.4 VDC | ~ .9W | 26.4 VDC |
| 120 VAC | 10.8 mA | 4.43KW | 120 VAC | 96 VAC | 33 VAC | ~ 1.1W | 132 VAC |
| 230 VAC | 5.3 mA | 18.79KW | 230 VAC | 192 VAC | 66 VAC | ~ 1.1W | 264 VAC |

## Contact Technical Data

| | Resistive Load p.f. = 1.0 | Inductive Load p.f. = 0.4 |
|---|---|---|
| Max. load current | 10A at 110 VAC<br>10A at 24 VDC | 7.5 at 110 VAC<br>5 A at 24 VDC |
| Max. switching voltage | 250 VAC, 125 VDC | 250 VAC, 125 VDC |
| Max. switching capacity | 1100 VA, 240W | 8300 VA, 120W |
| Minimum load | 100mA, 5 VDC | 100mA, 5 VDC |
| Contact material | AgCdO | AgCdO |
| Operating frequency mechanical | 18,000/hr | 18,000/hr |
| Operating frequency electrical | 1,800/hr @ rated load | 1,800/hr @ rated load |
| Contact resistance | 50 mΩ | 50 mΩ |
| Pull in time | 25 mSec | 25 mSec |
| Drop out time | 24 mSec | 25 mSec |

IMSR

Typical Schematic



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