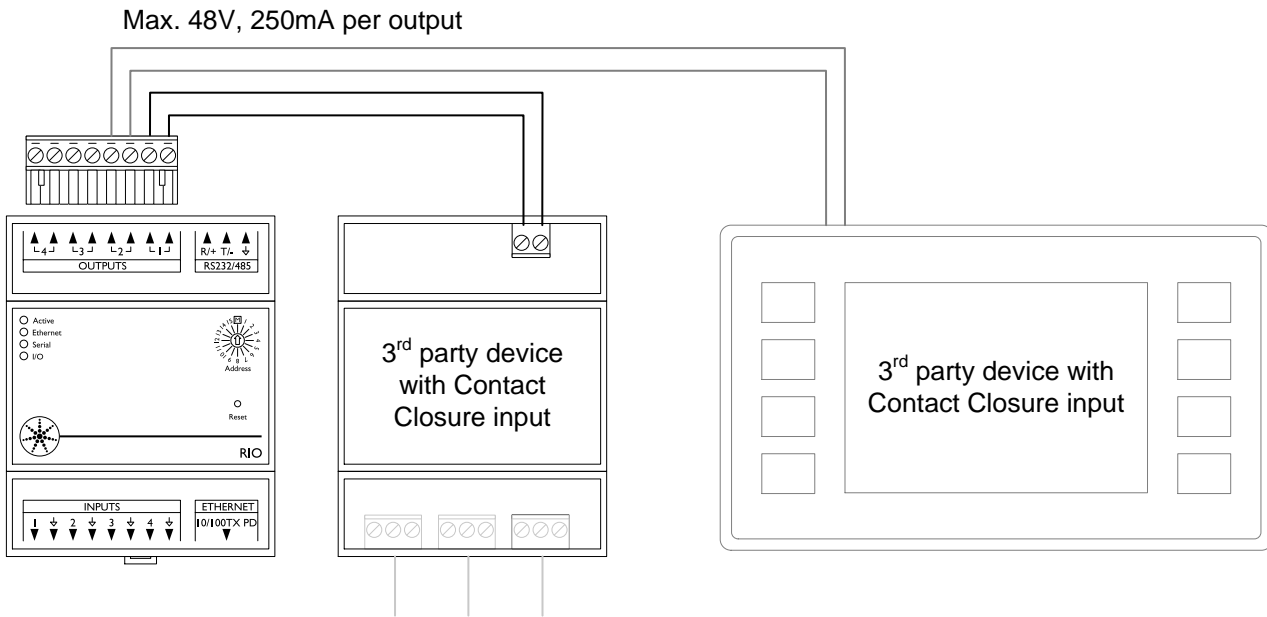**RIO Output application examples:**

- RIO Output as contact closure for 3rd party system
- RIO Output to control indicator lights
- RIO Output to control a heavy duty mains relays

Note each RIO output can be connected to any of the output types

Max. 48V, 250mA per output

3rd party device with Contact Closure input

3rd party device with Contact Closure input

note: a Pharos RIO Requires Pharos controller to operate

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Reference: 9201	Name: RIO Output as contact closure		
Size: A4	Date:	Rev:	Notes:
	15/11/2016	V 1.0	Setup
Page: 1 of 3			

RIO Output application examples:

- RIO Output as contact closure for 3rd party system
- RIO Output to control indicator lights
- RIO Output to control a heavy duty mains relays

Note each RIO output can be connected to any of the output types

Max. 48V, 250mA per output

PSU

PE N L
Mains voltage

Voltage and power
PSU depending on
used indicators.

note: a Pharos RIO Requires Pharos controller to operate

- *Consult the **Installation Guide** for technical details*
- *See **General Notes.pdf** for information on cabling types*
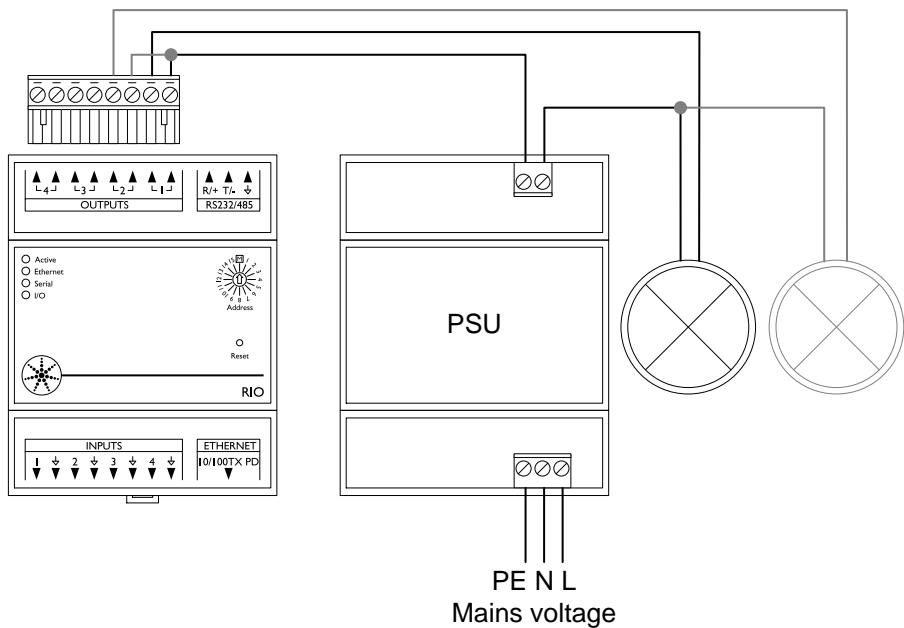- *Contact your supplier, visit our website or mail support with any other questions*

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Reference: 9202	Name: RIO Output to indictor lights		
Size: A4	Date:	Rev:	Notes:
	15/11/2016	V 1.0	Setup
Page: 2 of 3			

RIO Output application examples:

- RIO Output as contact closure for 3rd party system
- RIO Output to control indicator lights
- RIO Output to control a heavy duty mains relays

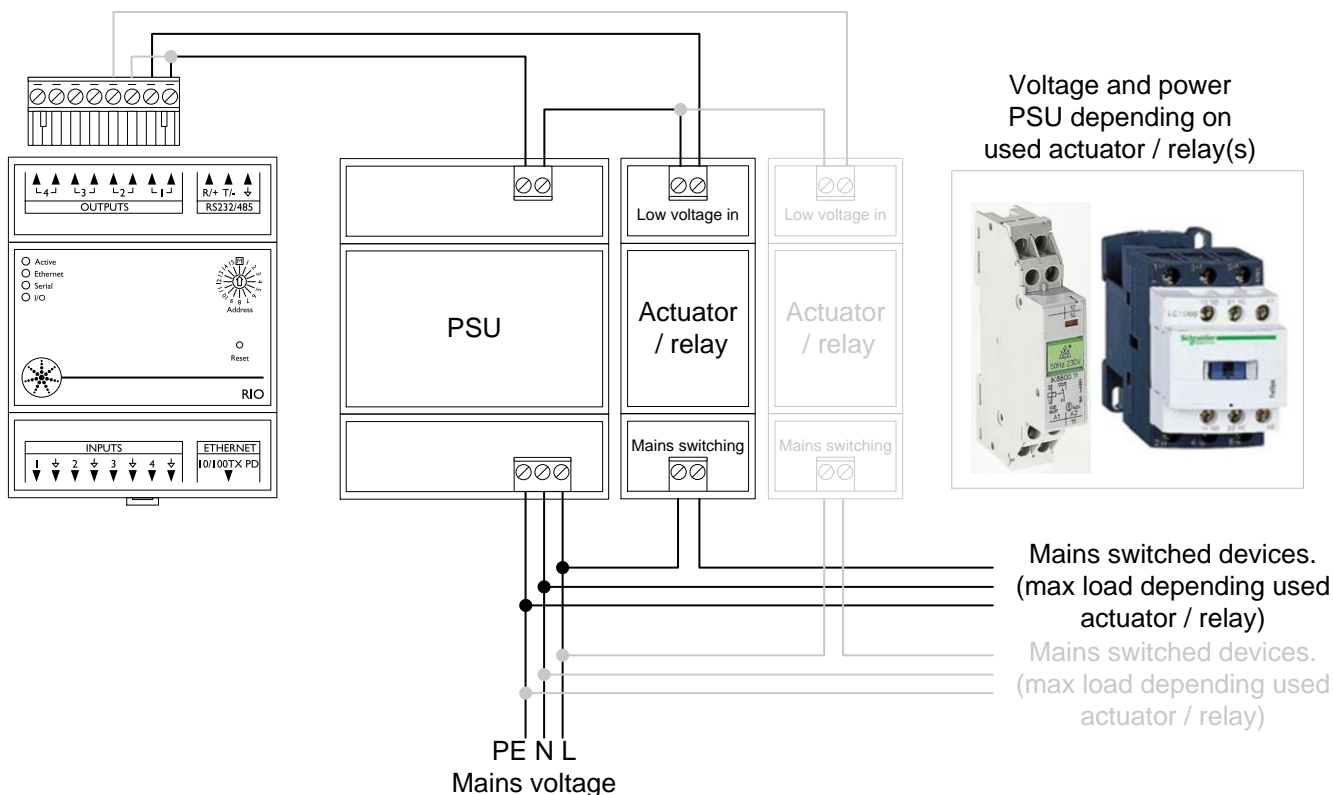Note each RIO output can be connected to any of the output types

Max. 48V, 250mA per output

Voltage and power
PSU depending on
used actuator / relay(s)

OUTPUTS   RS232/485

Active
Ethernet
Serial
I/O

Address

Reset

RIO

INPUTS   ETHERNET
10/100TX PD

Low voltage in   Low voltage in

PSU   Actuator / relay   Actuator / relay

Mains switching   Mains switching

Mains switched devices.
(max load depending used
actuator / relay)

Mains switched devices.
(max load depending used
actuator / relay)

PE N L
Mains voltage

note: a Pharos RIO Requires Pharos controller to operate

- *Consult the **Installation Guide** for technical details*
- *See **General Notes.pdf** for information on cabling types*
- *Contact your supplier, visit our website or mail support with any other questions*

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Reference: 9203	Name: RIO Output to Mains relays		
Size: A4	Date:	Rev:	Notes:
	15/11/2016	V 1.0	Setup
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