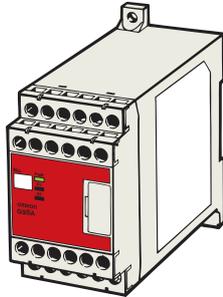
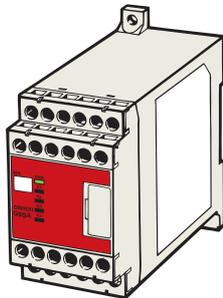


Troubleshooting G9SA

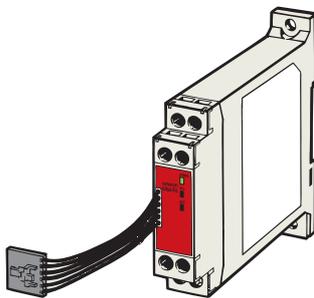
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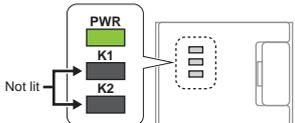
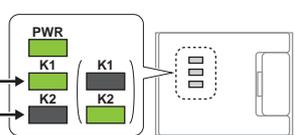
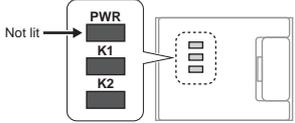
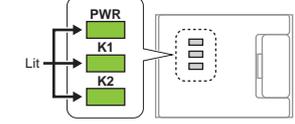


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G9SA

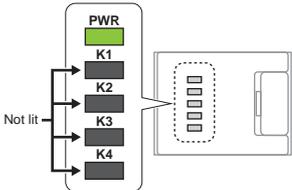
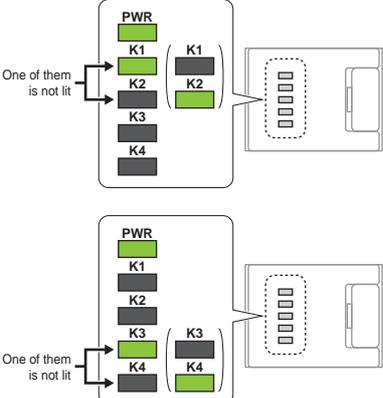
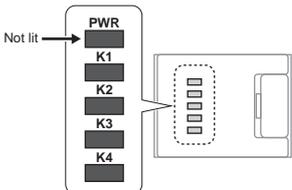
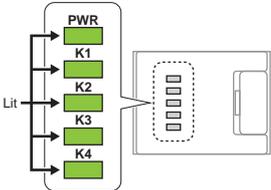
G9SA-301 Troubleshooting

G9SA-301 can detect the failure for the safety of internal circuit, parts condition and external wiring.

Indicator	Indicator	Expected causes	Check points and measures to take
K1 and K2 do not light up		<ol style="list-style-type: none"> 1) Failures involving the wiring of External input (input line) 2) Failures of the parts of the External devices (Contactor etc) 3) Failures of the parts of the internal circuits 	<ol style="list-style-type: none"> 1) Check the wiring to External input. (input line) 2) Replace with a new External devices. (Contactor etc) 3) Replace with a new product.
K1 or K2 does not light up		<ol style="list-style-type: none"> 1) Failures involving the wiring of External input (input line) 2) A shorter safety input OFF signal might cause the G9SA to be locked 3) Failures of the parts of the internal circuits 	<ol style="list-style-type: none"> 1) Check the wiring to External input. (input line) 2) All safety inputs must be turned off or the power supply for G9SA must be off before restarting the G9SA. 3) Replace with a new product.
PWR does not light up		<ol style="list-style-type: none"> 1) Supply voltage outside the rated value 2) Failures of the parts of the internal circuits 	<ol style="list-style-type: none"> 1) Check the supply voltage to Expansion. 2) Replace with a new product.
All indicators light up, but the safety output doesn't turn on.		<ol style="list-style-type: none"> 1) Failures involving the wiring of External input (output line) 2) Failures of the parts of the Protective device (Fuse etc) 	<ol style="list-style-type: none"> 1) Check the wiring to External input. (output line) 2) Replace with a new Protective device. (Fuse etc)

G9SA-501/G9SA-321-T Troubleshooting

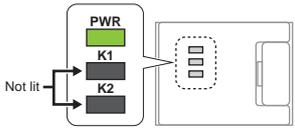
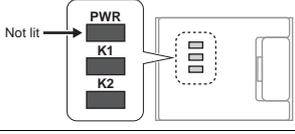
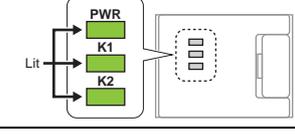
G9SA-501/G9SA-321-T can detect the failure for the safety of internal circuit, parts condition and external wiring.

	Indicator	Expected causes	Check points and measures to take
<p>K1 to K4 do not light up</p>		<ol style="list-style-type: none"> 1) Failures involving the wiring of External input (input line) 2) Failures of the parts of the External devices (Contactor etc) 3) Failures of the parts of the internal circuits 	<ol style="list-style-type: none"> 1) Check the wiring to External input. (input line) 2) Replace with a new External devices. (Contactor etc) 3) Replace with a new product.
<ul style="list-style-type: none"> • K1 or K2 does not light up • K3 or K4 does not light up 		<ol style="list-style-type: none"> 1) Failures involving the wiring of External input (input line) 2) A shorter safety input OFF signal might cause the G9SA to be locked 3) Failures of the parts of the internal circuits 	<ol style="list-style-type: none"> 1) Check the wiring to External input. (input line) 2) All safety inputs must be turned off or the power supply for G9SA must be off before restarting the G9SA. 3) Replace with a new product.
<p>PWR does not light up</p>		<ol style="list-style-type: none"> 1) Supply voltage outside the rated value 2) Failures of the parts of the internal circuits 	<ol style="list-style-type: none"> 1) Check the supply voltage to Expansion. 2) Replace with a new product.
<p>All indicators light up, but the safety output doesn't turn on.</p>		<ol style="list-style-type: none"> 1) Failures involving the wiring of External input (output line) 2) Failures of the parts of the Protective device (Fuse etc) 	<ol style="list-style-type: none"> 1) Check the wiring to External input. (output line) 2) Replace with a new Protective device. (Fuse etc)

G9SA

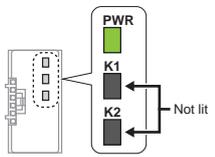
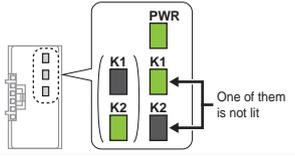
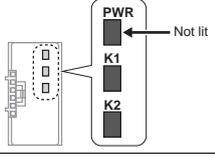
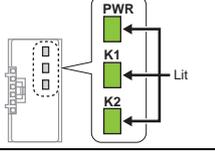
G9SA-TH301 Troubleshooting

G9SA-TH301 can detect the failure for the safety of internal circuit, parts condition and external wiring.

Indicator	Expected causes	Check points and measures to take
<p>K1 and K2 do not light up</p> 	<ol style="list-style-type: none"> 1) Failures involving the wiring of External input (input line) 2) Failures of the parts of the External devices (Contactor etc) 3) Failures of the parts of the internal circuits 	<ol style="list-style-type: none"> 1) Check the wiring to External input. (input line) 2) Replace with a new External devices. (Contactor etc) 3) Replace with a new product.
<p>K1 or K2 does not light up</p> 	<ol style="list-style-type: none"> 1) Failures involving the wiring of External input (input line) 2) A shorter safety input OFF signal might cause the G9SA to be locked 3) Failures of the parts of the internal circuits 	<ol style="list-style-type: none"> 1) Check the wiring to External input. (input line) 2) All safety inputs must be turned off or the power supply for G9SA must be off before restarting the G9SA. 3) Replace with a new product.
<p>PWR does not light up</p> 	<ol style="list-style-type: none"> 1) Supply voltage outside the rated value 2) Failures of the parts of the internal circuits 	<ol style="list-style-type: none"> 1) Check the supply voltage to Expansion. 2) Replace with a new product.
<p>All indicators light up, but the safety output doesn't turn on.</p> 	<ol style="list-style-type: none"> 1) Failures involving the wiring of External input (output line) 2) Failures of the parts of the Protective device (Fuse etc) 	<ol style="list-style-type: none"> 1) Check the wiring to External input. (output line) 2) Replace with a new Protective device. (Fuse etc)

G9SA-EX301/G9SA-EX031-T□ Troubleshooting

G9SA-EX301/G9SA-EX031-T□ can detect the failure for the safety of internal circuit, parts condition and external wiring.

Indicator	Expected causes	Check points and measures to take
<p>K1 and K2 do not light up</p> 	<ol style="list-style-type: none"> 1) Failures of the parts of the External devices (Contactor etc) 2) Failures of the parts of the internal circuits 	<ol style="list-style-type: none"> 1) Replace with a new External devices. (Contactor etc) 2) Replace with a new product.
<p>K1 or K2 does not light up</p> 	<ol style="list-style-type: none"> 1) A shorter safety input OFF signal might cause the G9SA to be locked 2) Failures of the parts of the internal circuits 	<ol style="list-style-type: none"> 1) All safety inputs must be turned off or the power supply for G9SA must be off before restarting the G9SA. 2) Replace with a new product.
<p>PWR does not light up</p> 	<ol style="list-style-type: none"> 1) Supply voltage outside the rated value 2) Failures of the parts of the internal circuits 	<ol style="list-style-type: none"> 1) Check the supply voltage to Expansion. 2) Replace with a new product.
<p>All indicators light up, but the safety output doesn't turn on.</p> 	<ol style="list-style-type: none"> 1) Failures of the parts of the Protective device (Fuse etc) 	<ol style="list-style-type: none"> 1) Replace with a new Protective device. (Fuse etc)

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