



SINGLE PHASE PREVENTER RELAY





Provides Protection Against

- Phase Unbalance
- Phase Failure
- Phase Incorrect Sequence



Input Voltage

- 110 VLL
- 240 VLL
- 415 VLL
- 440 VLL



Output

- 1CO Relay Output
- 5A/250VAC/30VDC



Premium Pricing

Higher cost compared to competitive alternatives.

Bulky Dimensions

Occupies more panel space, limiting compact installations.



Limited Operating Range

Works only within specific nominal voltages (110/240/415/440V LL), which restricts flexibility across diverse applications.

Multiple Variants

Too many ordering options, making selection and stocking complicated.



OMICRON SPPR - SINGLE PHASE PREVENTER RELAY





Omicron SPPR



Complete Phase Protection

Provides complete protection in one model only against

- Phase Unbalance
- Phase Failure
- Phase Incorrect Sequence



Self Powered

Operates without any external power supply.



Auto Reset Facility

Eliminates the need of human intervention.



Compact Size

Ultra Slim 17.5mm width for space efficient installation.



Smart LED Indications

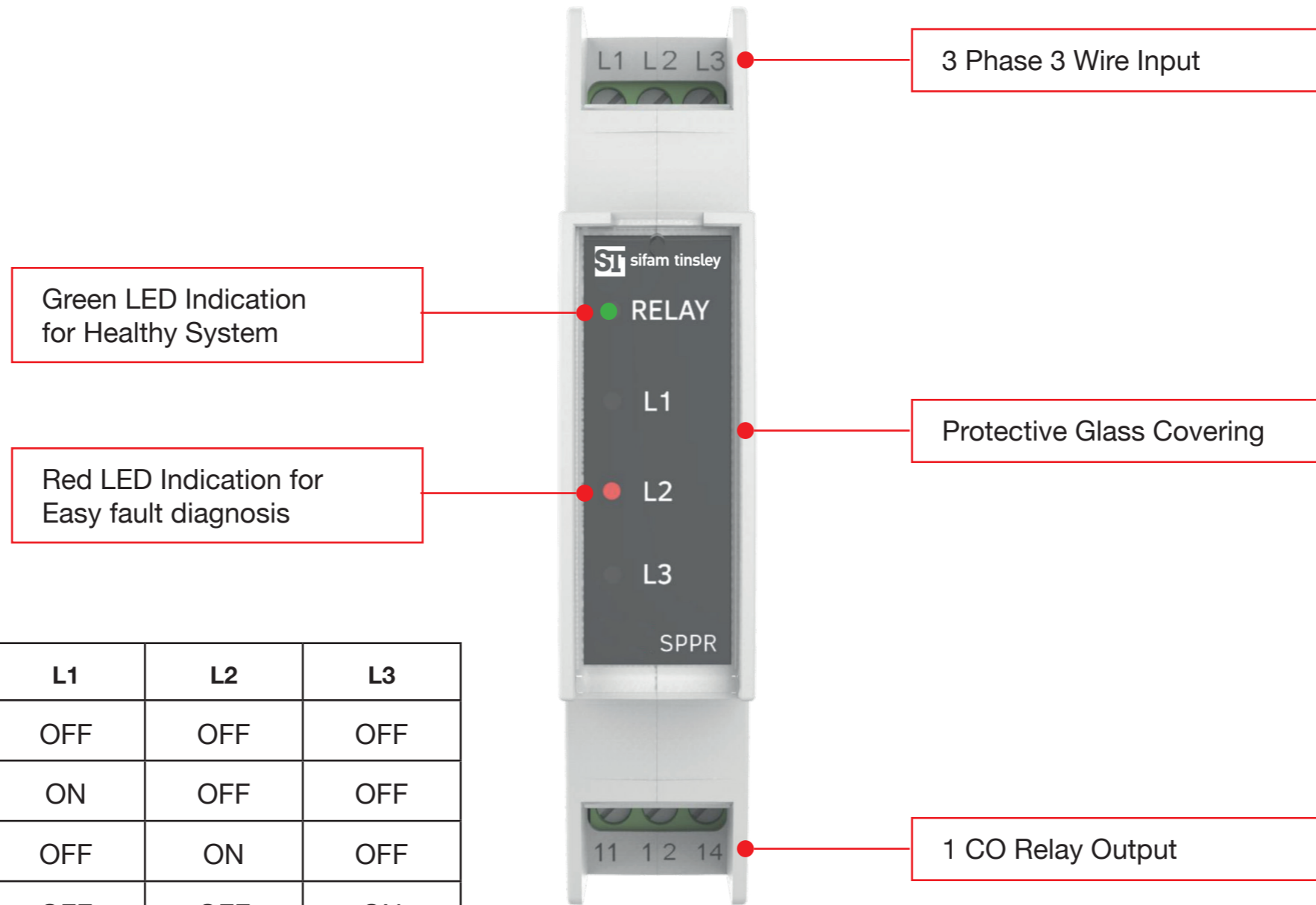
Dedicated LEDs for Healthy, Phase Loss, Phase Unbalance, and Incorrect Sequence, enabling quick fault identification and reducing troubleshooting time.



Wide Operating Range

Operates reliably across 150-550V AC (L L), making it suitable for diverse industrial & utility environments.

Overcomes all challenges in existing PHR



Conditions	Relay	L1	L2	L3
Healthy	ON	OFF	OFF	OFF
R Phase Loss	OFF	ON	OFF	OFF
Y Phase Loss	OFF	OFF	ON	OFF
B Phase Loss	OFF	OFF	OFF	ON
R Phase Unbalance	OFF	BLINK	OFF	OFF
Y Phase Unbalance	OFF	OFF	BLINK	OFF
B Phase Unbalance	OFF	OFF	OFF	BLINK
Incorrect Sequence	OFF	BLINK	BLINK	BLINK



Model: SPPR

INPUT : 3P3W

NOMINAL INPUT VOLTAGE : 415 VLL

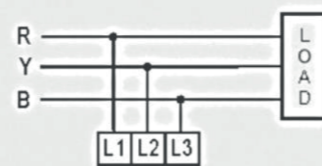
OPERATING RANGE : 150~550 VLL

INPUT FREQUENCY : 50/60Hz

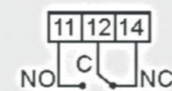
RELAY : 1CO, NO/NC 6A/250VAC

LED INDICATION :

CONDITIONS	RELAY	L1	L2	L3
HEALTHY	ON	OFF	OFF	OFF
R Phase Loss	OFF	ON	OFF	OFF
Y Phase Loss	OFF	OFF	ON	OFF
B Phase Loss	OFF	OFF	OFF	ON
R Phase Unbalance	OFF	BLINK	OFF	OFF
Y Phase Unbalance	OFF	OFF	BLINK	OFF
B Phase Unbalance	OFF	OFF	OFF	BLINK
Incorrect Sequence	OFF	BLINK	BLINK	BLINK



RELAY CONTACTS





Fault Conditions



Phase Unbalance: >40V
Phase Fail: >100V
(difference between two L L voltages)

Output



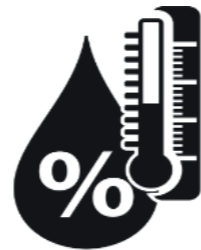
Relay Output: 1CO
6A@250VAC/30VDC

Accuracy



Accuracy:
Full scale +/-1%

Environmental Conditions



Operating temp. :
-20°C to 70°C

Applicable Standards



Standards:
IEC 602551, IEC 61326



Electrical Control Room



Refrigeration Units



Pumps & Compressors

Contact Us



Sifam Tinsley Instrumentation Ltd

1 Warner Drive
Springwood Industrial Estate
Braintree
Essex
CM7 2YW

Tel: 01376 335271
Email: sales@sifamtinsley.com

www.sifamtinsley.co.uk