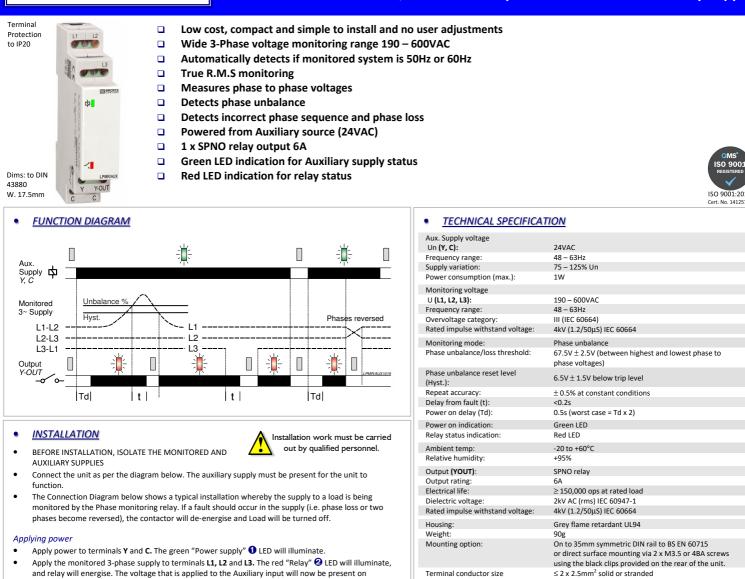


## Type: LPMR/AUX

3-Phase Unbalance, Failure and Sequence Monitor with Auxiliary Supply



terminals Y-OUT and C and contactor (if connected) will energise. Refer to the troubleshooting table if the unit fails to operate correctly.

## Troubleshooting.

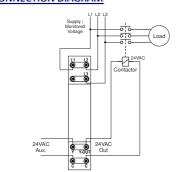
The table below shows the status of the unit during a fault condition.

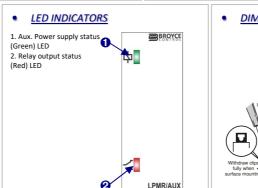
Supply fault	Green LED	Red LED	Relay
Aux. supply missing	Off	Off	De-energised
Phase missing or below threshold <sup>1</sup>	On	Off	De-energised
Phases reversed	On	Off	De-energised
Phase unbalance exceeds threshold	On	Off	De-energised

<sup>1</sup> see technical specification

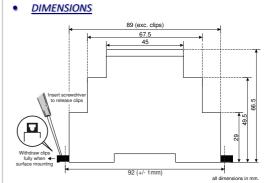
y voltage	
	24VAC
range:	48 – 63Hz
iation:	75 – 125% Un
sumption (max.):	1W
g voltage	
L3):	190 – 600VAC
range:	48 – 63Hz
ge category:	III (IEC 60664)
ulse withstand voltage:	4kV (1.2/50μS) IEC 60664
g mode:	Phase unbalance
alance/loss threshold:	$67.5V\pm2.5V$ (between highest and lowest phase to
	phase voltages)
alance reset level	$6.5V\pm1.5V$ below trip level
curacy:	$\pm$ 0.5% at constant conditions
n fault (t):	<0.2s
delay (Td):	0.5s (worst case = Td x 2)
indication:	Green LED
us indication:	Red LED
emp:	-20 to +60°C
umidity:	+95%
DUT):	SPNO relay
ing:	6A
ife:	≥ 150,000 ops at rated load
voltage:	2kV AC (rms) IEC 60947-1
ulse withstand voltage:	4kV (1.2/50µS) IEC 60664
	Grey flame retardant UL94
	90g
option:	On to 35mm symmetric DIN rail to BS EN 60715
	or direct surface mounting via 2 x M3.5 or 4BA screws
	using the black clips provided on the rear of the unit.
onductor size	$\leq$ 2 x 2.5mm <sup>2</sup> solid or stranded
:	Conforms to: IEC 60664-1, IEC 60947-1, UL508
	CE, UKCA, <b>C</b> and RoHS Compliant.
	,, <b>-</b> phana

CONNECTION DIAGRAM ٠





Approvals:



HS Code: 85364900 Country of Origin: UK

Broyce Control Ltd., Pool Street, Wolverhampton, West Midlands WV2 4HN. England Tel: +44 (0) 1902 773746 Fax: +44 (0) 1902 420639 Email: sales@broycecontrol.com Web: www.broycecontrol.com

he Information provided in this literature is believed to be accurate (subject to change without prior notice); however, use of such information shall be entirely at the user's own risk.

LPMR AUX-2-A 2303