

- 3 – phase monitoring of own supply voltage
- Metering of 3 phases with or without neutral
- Separate adjustment of minimum and maximum limits
- 1 – pole relay output



The C-mac® RP30 measures its own supply voltage and checks that all phase voltages are within the adjusted limits, and in that case the output relay is activated. If one more of the voltages are over or under the limits, the relay releases.

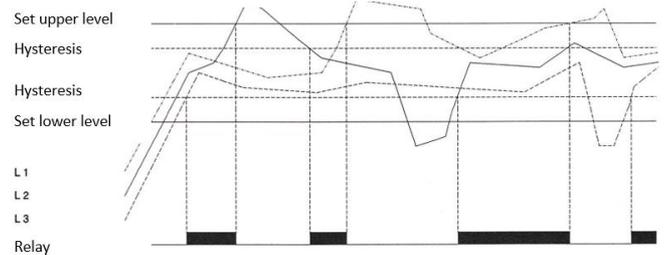
The same module can be used for 3 phases with neutral, where the phase voltages are compared to neutral, or 3 phases without neutral, where the 3 voltages are metered in proportion to each other.

The module can operate from 80 to 120% of the nominal supply voltage.

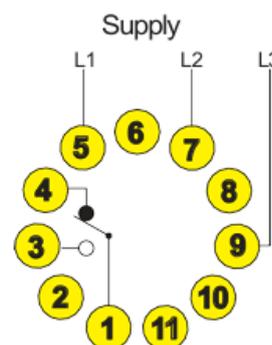
Note: If a measurement of 3 phases with zero is desired, type RP33 must be used (see separate data sheet)

Technical data	
Supply voltage:	3 x 230 V +/- 20 % 3 x 380 V +/- 20 % 3 x 415 V +/- 20 %
Supply frequency:	40 - 70 Hz
Power consumption:	2,5 VA
Operation temp.:	-20°C til +60°C
Humidity:	0 - 90% RH, non condensing
Adjustment:	Upper limit: Potentiometer, scale 105 til 120%
	Lower limit: Potentiometer, scale 80 til 95%
Indikeringer:	Green LED: Supply voltage connected
	Red LED: Output relay activated
Hysteresis:	1% factory-set
Max. load, relay:	1-polet 8A - 250 VAC
	Ohmic load

Functional diagram:



Connections:



Ordering guide		
Type	Relæ	Forsyning
RP30	1 = 1 pole	3-230 = 230 VAC
		3-380 = 380 VAC
		3-415 = 415 VAC
Eksempel:	RP30-1-3-230	

EMC and safety regulations

Emmision:	EN50081-1
Immunity:	EN50082-2
Safety:	EN60730



Materials and weight:

Housing:	NORYL-SE-1, grey, self-extinguishing
Housing bottom:	NORYL SE-1, GFN-2, black self-extinguishing
Terminals	Nickel-plated brass
Weight:	120 g