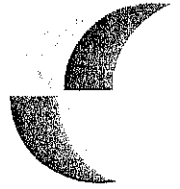




**3-phase phase breaking module.**  
**Built-in reaction delay.**  
**Meters its own supply voltage.**  
**1- or 2-pole relay output.**



**RP 32 T**

**Functional description.**

RP 32 T meters its own 3-phase supply voltage, and checks that all 3 phases are present, and in that case the output relay is activated. If one or more phase voltages are below 87% of the nominal value for more than 3 seconds, the relay will release, and when all 3 phases are higher than 87% of the nominal value, the relay will activate immediately.

The module is suitable for monitoring of motors, as it ensures that the motor can only operate if all 3 phases are present, provided that the regenerated voltage from the motor is below 87% of the nominal voltage. The built-in time delay of 3 seconds ensures that the relay will not release in case of short interruptions or voltage drop of the supply voltage.

**Technical specifications:**

**Supply voltage (phase-phase):**  
 3 x 220 V +/-15%.  
 3 x 380 V +/-15%.  
 3 x 415 V +/-15%.

**Supply frequency:** 50-60 Hz.

**Voltage monitoring:** All 3 phases must be higher than 87% of the nominal voltage.

**Reaction delay:** 3 sec.

**Power consumption:** Approx. 2.5 VA.

**Operating temperature:** -20°C to +60°C.

**Hysteresis:** 2%.

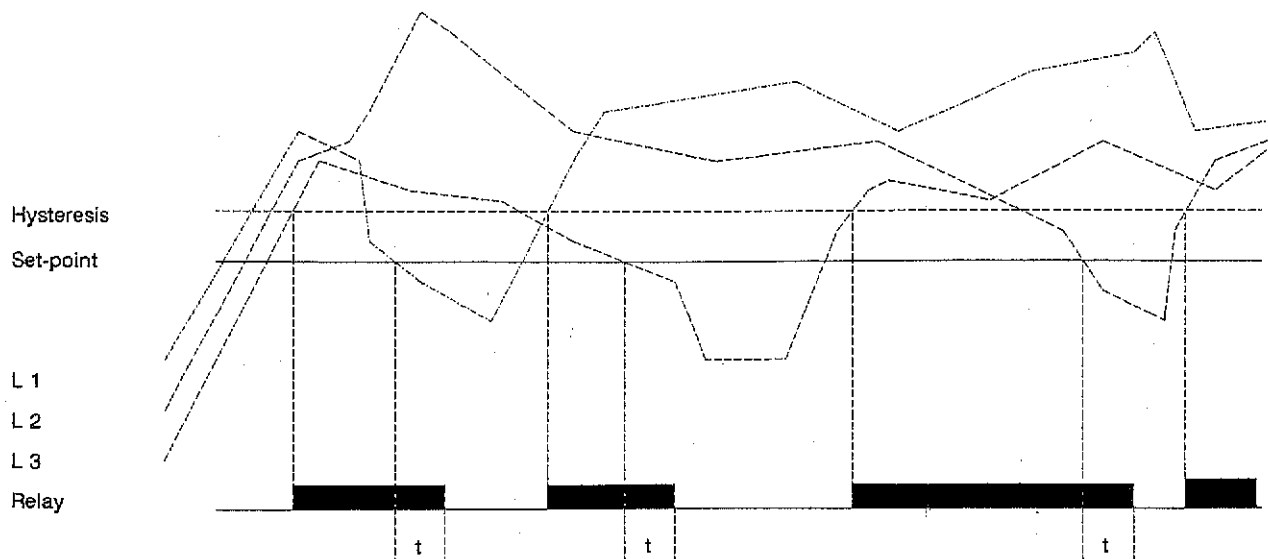
**Indications:**  
 Green LED: Supply voltage connected.  
 Red LED: Output relay activated.

**Max. load relay:**  
 1-pole: 8 A/250 VAC.  
 2-pole: 5 A/250 VAC.

**Relay function:**

1. The relay is always released when a phase is missing.
2. The module connected to 3 phases without neutral: The relay releases if one or more of the phase-phase voltages are below 87% of the nominal voltage.
3. The module connected to 3 phases with neutral: The relay releases if one or more of the phase-neutral voltages are below 75% of the nominal voltage.

**Operating diagram:**





# RP 32 T

## Ordering guide:

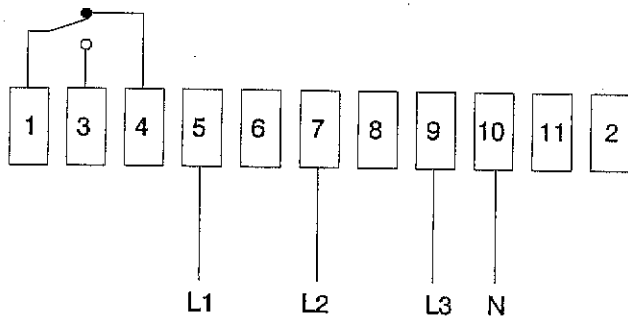
Supply voltage	type no.
3 x 220 V (ph-ph)	RP32T-x-3-220
3 x 380 V (ph-ph)	RP32T-x-3-380
3 x 415 V (ph-ph)	RP32T-x-3-415

x = output relay:      1 = 1-pole.  
                                 2 = 2-pole.

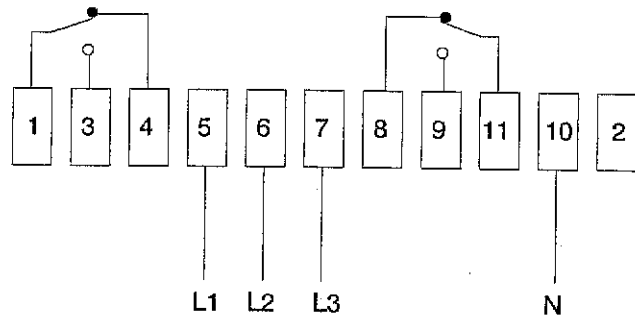
## Note:

The unit can also be delivered with connections to pins 5-6-7 instead of pins 5-7-9, in that case the ordering number is RP32.1T instead of RP32T.

## Connection diagram.

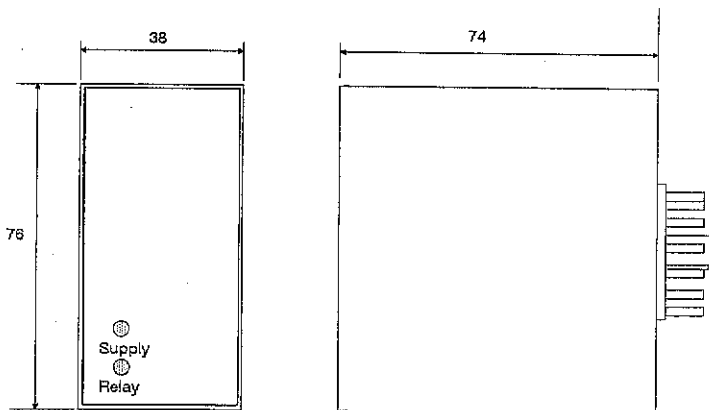


Example 1: RP 32T.



Example 2: RP 32.1T.

## Mechanical dimensions.



Weight:	110 g.
Materials:	
Housing:	NORYL SE-1, grey self-extinguishing.
Base:	NORYL SE-1, GFN-2, black self-extinguishing.
Connection pins:	Nickel plated brass.