

Type RMT-111Q96

- **With changeover switch**
- **Clear indication of incorrect connection**
- **Clear indication of phase breakage**
- **Long-life LED indicators**
- **Continuous operation**
- **Q96 housing for flush mounting**

Application

The phase sequence relay with relay contacts type RMT-111Q96 is applied for check of the phase sequence of a power plant.

The 400V AC version of the RMT-111Q96 is type approved by GL, LR and DNV.

A check of the phase sequence is especially required when connecting equipment to a new voltage source, e.g. when changing from the mains supply of a vessel to the mains at a harbour.

The indicator may furthermore be applied for alarm indication on phase breakage.

The RMT-111Q96 is equipped with 2 LEDs on the front for indication of the phase condition.

Measuring principle

The RMT-111Q96 is connected to all 3 phases of a 3 phase system and registrates the direction of the phase rotation.

If the phase sequence of the supervised power source is correct (L1 - L2 - L3), the LED marked "CORRECT" is lit, and the relay is energised.

If the phase sequence of the supervised power source is incorrect, i.e. the phase sequence is reversed (L1 - L3 - L2), the LED marked "REVERSED" is lit, and the relay is de-energised.

Should a phase breakage occur, both LEDs will be lit for clear indication of the fault condition, and the relay is de-energised.

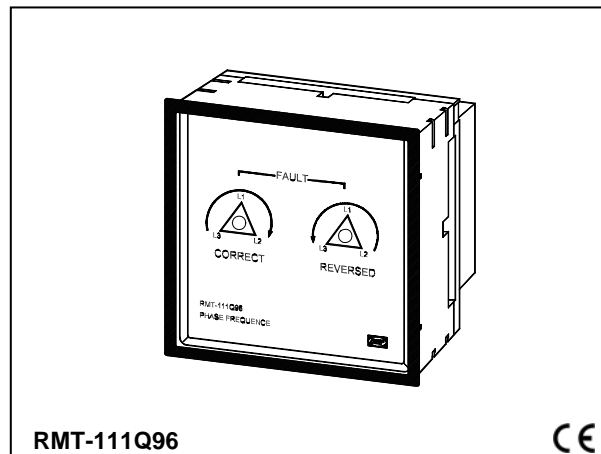
Relay contacts

The RMT-111Q96 is provided with a changeover switch:

Terminals 1-2 closed:	Shore connection OK (relay energised)
Terminals 2-3 closed:	Shore connection not OK (relay de-energised)

Phase sequence relays Generator controls

4921240131F



Technical specifications

Meas. voltage: 230V AC $\pm 20\%$ or
400V AC $\pm 20\%$

Consumption: Max. 3W.

Frequency range: 47...63Hz.

Relay output: Changeover switch.

Contact ratings: 250V-6A-1500VA (AC)
24V - 6A - 150W (DC)

Contact voltage: Max. 250V (AC).

General technical specifications

Temperature: -10...55°C (nominal)
-25...60°C (operating)
-25...65°C (storage)

Shock test: 15g – 6 times – 3 directions
50g/6ms
22g/20ms

Climate: HUE, to DIN 40040.

EMC: To EN 50081-1/2, EN 50082-1/2,
SS4361503 (PL4) and IEC 255-3.

Connections: Max. 4 mm² (single-stranded)
Max. 2.5 mm² (multi-stranded)

Materials: All plastic parts are self-extinguishing to UL94 (VO).

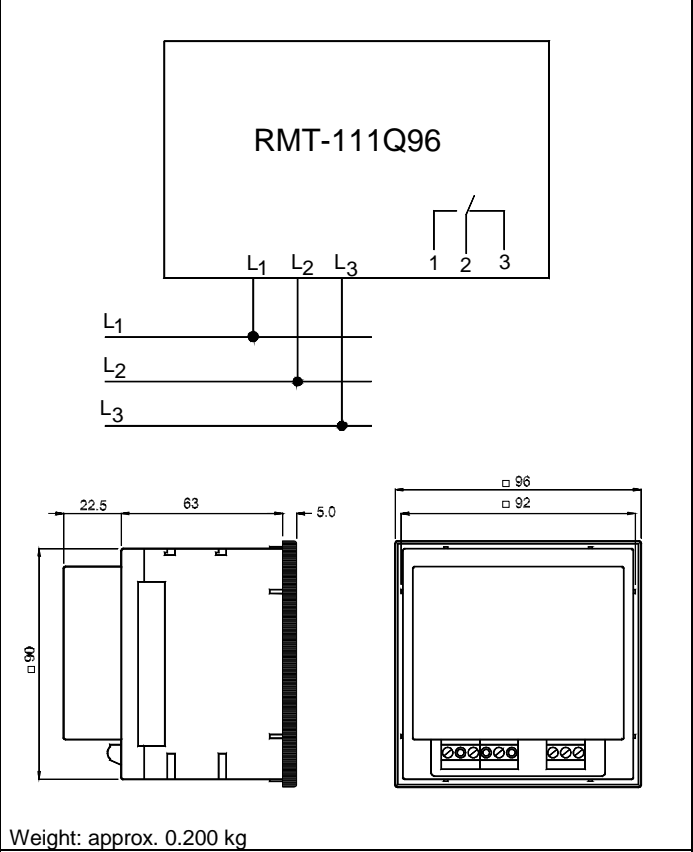
Protection: Case: IP53. Terminals: IP20,
to IEC 529 and EN 60529.



誥鑫企業有限公司
ARITH COMPANY LTD.
地 址：台北市復興北路427巷30號
電 話：(02)2717-5038
傳 真：(02)2717-5039
e-mail: taipei@arith.com.tw
網 址：http://www.arith.com.tw

Type RMT-111Q96

Connections/dimensions (in mm)

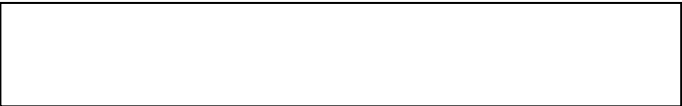


Order specifications

Type – Measuring Voltage

Example: RMT-111Q96 – 400V AC

Due to our continuous development we reserve the right to supply equipment which may vary from the described.



誥鑫企業有限公司
ARITH COMPANY LTD.
地 址： 台北市復興北路427巷30號
電 話： (02)2717-5038
傳 真： (02)2717-5039
e-mail: taipei@arith.com.tw
網 址： http://www.arith.com.tw