Application

The units are used to adapt external signals to measuring relays, as RC-circuits to achieve pick-up or drop-out delay for auxiliary relays or as simple rectifiers.

Design

The RXT unit occupies one seat (2U 6C) and should be mounted on a terminal base, type RX4 or RX2H.

The unit is available with resistors (fixed and variable), potentiometers, capacitors, diodes and rectifiers. It contains a ready wired component plate onto which components are soldered. The unit can contain up to 8 individual components. Because of heat build-up, total loading should not exceed 2.5 W continuously, nor should individual resistors be loaded with more than 30% of rating.
## Technical data

### Resistors

#### Table R1
- Wire-wound resistor
- 5 W rated power
- Resistance tolerance 5%
- Ohmic values: E6 series 0.10-6800 ohm, i.e. multiples of 10, 15, 22, 33, 47, 68

#### Table R2
- Metal layer resistor
- 0.5 W rated power
- Resistance tolerance 2%
- Ohmic values: E6 series 10-220 000 ohm, i.e. multiples of 10, 15, 22, 33, 47

#### Table R3
- Adjustable wire wound stud type
- 10 W rated power
- Resistance tolerance +5%
- Values: 500, 1000, 2500, 5000, 10 000 and 20 000 ohm

#### Table R4
- Potentiometers
- 0.75 W rated power
- Number of turns 22
- Resistance tolerance +20%
- Full ohmic values: 0.2, 1, 5, 20 kohm

### Capacitors

#### Table C1
- Aluminium-electrolytic capacitors, wet type.
- Capacitance tolerance +50% - 10%
- Rated voltage, V dc | Capacitance, μF
- 16 | 220
- 25 | 100
- 25 | 220
- 25 | 470
- 40 | 47
- 40 | 100
- 63 | 22
- 63 | 47

#### Table C2
- Tantalum-electrolytic capacitors
- Capacitance tolerance +20%
- Rated voltage 35 V dc
- Capacitance μF
- 0.10, 0.15, 0.22, 0.33, 0.47, 0.68, 1.0, 1.5, 2.2, 3.3, 4.7, 6.8, 10, 15, 22, 33, 47

### Diodes and Rectifiers
- Rated rms voltage: 500 V
- Repetitive peak reverse voltage: 1600 V
- Mean forward current at 55°C: 0.8 A
- Surge reverse-power dissipation at 10 ms pulse-time: 1300 W

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Fig. 1: Terminal diagram unless other specified
Ordering

At ordering specify:

- Type RXT, component unit
- Quantity
- Ordering No. example RK 711 008-AX
- Component value with mounting place (terminals) if applicable

<table>
<thead>
<tr>
<th>General purpose component unit, delivered without components</th>
<th>Ordering No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wired place 1-8</td>
<td>RK 710 001-AA</td>
</tr>
</tbody>
</table>

Resistor unit with resistors according to table R1 and R2

| Eight resistors place 1-8 | RK 711 008-AX |

Diode unit

| Eight diodes place 1-8 | RK 715 008-EC |

Capacitor unit with capacitors according to table C1 and C2

| Four capacitors place 1-4 | RK 713 214-AX |

Component with variable wire-wound stud-type resistors according to table R3:

| RK 711 011-AX | RK 711 013-AX | RK 711 103-AX |

Component with potentiometers according to table R4:

| RK 711 004-AX | RK 711 001-AX |

Select capacitors from tables C1, C2

Select resistors from tables R1, R2

Rectifiers

| RK 717 012-DU | RK 717 013-DU | RK 717 002-DX | RK 717 005-DX |

Select capacitors from tables C1, C2

Select resistors from tables R1, R2
Manufacturer

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