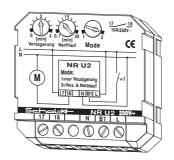




www.schalk.de



GENERAL:

The NR U2 time-delay relay is an electronic timedelay switch with relay output for delayed on/off switching of secondary loads.

If required, the relay can be used as a pure on-delay with no off-delay. With these selectable modes and the wide range of selectable operating times, the NR U2 is extremely versatile in practical applications.

APPLICATION:

Automatic ventilation of windowless rooms, delayed on/off switching of a wide variety of loads, hotel room card contact etc.

OPERATION:

Mode 1 On-delay only

The timer is started on activation of B1.

After the set delay has elapsed, the relay contact is closed. The off-delay function is suppressed, and so the relay contact is immediately opened again when B1 is released.

If L and B1 are bridged in this mode, the on-delay is also reliably started when the supply voltage is applied.

Mode 2 On-delay and Off-delay

The timer is started on activation of B1.

After the set delay has elapsed, the relay contact is closed. When B1 is released, the off-delay is started, and the relay contact drops out again as soon as the set offdelay has elapsed. In this mode, application of the supply voltage starts the off-delay.

Time-delay relay NR U2

for installation in switch boxes or junction boxes

SPECIAL FEATURES:

- 2 operating modes therefore can also be used as on-delay
- Wide programmable time ranges
- Electrically isolated relay contact
- Low power loss
- Compact installation dimensions

TECHNICAL DATA:

230V 50/60Hz Operating voltage Power consumption 0.6W

On-delay approx. 0.3sec - 4min Off-delay approx. 6sec - 30min Relay contacts 1 NO contact 16A / 250V AC Glow lamp load at B1 max. 5mA max. 20nF

Line capacitance at B1 Switching capacity see data sheet "Power rating

of relay contacts" Ambient temperature -10°C to +45°C Interference immunity compliant IEC 801-4 level 4

compliant IEC 801-5 level 4 Equipment protection Creepage / clearance compliant VDE 0110 Gr. C/250V

flameproof to VDE 0304 Insulated housing part 3, level FV 0

Connections socket terminals with captive

screws M3.5 Installation position freely selectable External dimensions 43x43x18.5mm Weight approx 40a

grey 7035 / green 6029 Colour (RAL)

ORDERING INFORMATION:

Part No. Description Type nru209 NR U2 Time-delay relay

TYPICAL APPLICATION:

