



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:

Operating voltage	230V 50/60Hz
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
Line capacitance at B1	max. 20nF
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
Equipment protection	compliant IEC 801-5 level 4
Creepage / clearance	compliant VDE 0110 Gr. C/250V
Insulated housing	flameproof to VDE 0304 part 3, level FV 0
Connections	socket terminals with captive screws M3.5
Installation position	freely selectable
External dimensions	43x43x18.5mm
Weight	approx 40g
Colour (RAL)	grey 7035 / green 6029

GENERAL:

The NR U2 time-delay relay is an electronic time-delay 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 off-delay has elapsed. In this mode, application of the supply voltage starts the off-delay.

ORDERING INFORMATION:

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

TYPICAL APPLICATION:

