



DATA SHEET

Article number : 09800034

timers

Uno QRD

mechanical clock with control gear



Function

Time switches are electronic or electromagnetic clocks that switch a contact on or off at set times. They are suitable as an aid for energy saving measures, such as switching off pumps or hot-water heaters. The mechanical time switches from the Uno series control one electrical load circuit each via day and/or week programs. The control gear with captive sliders allows the shortest switching intervals of up to 15 minutes to be set for the potential-free relay. While the Uno-D and Uno-QRD time switches have day programs, the Uno-QRS has a week program. The QRD and QRS models with their 100-hour reserve power also provide time-exact switching of consumers even in the event of intermittent power failures. The program automation can be "bridged" via the front control switch and therefore switch the relay to continuous operation.

Features

mechanical control gear with captive sliders, Day program (Uno-D, Uno-QRD) or week program (Uno-QRS), minimum switching times of 15 min (Uno-D, Uno-QRD) or 2 h (Uno-QRS), Reserve power: none (Uno-D) or 150 hours (Uno-QRD/-QRS), high accuracy, Control switch for continuous operation, 1 potential-free NO contact 16 (4) A/250 V AC, Operating voltage: 230 V AC, low internal consumption, sealable transparent cover, Module width just 1 unit (17.5 mm), protection class IP20

Mounting

quick fastening to mounting rail, any installation position

Applications

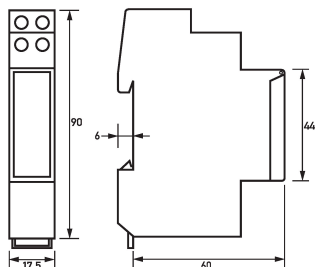
Time switches for time linking of any electrical consumers in private, commercial or industrial applications.

Technical data

Technical Data	Uno QRD
Series	Uno QRD
Time programmes	daily program
Accuracy rate range	-1 s/Tag ... 1 s/Tag (at 22° C)
Power reserve	150 h
Time range control gear	24 h
Switching operation type	off, on
Switching interval	15 min ... 24 h
Number of (n.o, n.c., change-over)	1 0 0
Operating voltage (AC)	230 V
Operating frequency	50 Hz ... 60 Hz
Internal consumption	max. 0.5 W
	Display (time, switch-on/switch-off times)
Number	1
Type	control gear
	load circuit
Specification	relays
Rated voltage (AC)	250 V
Rated current (AC)	16 A
Rated frequency	50 Hz ... 60 Hz
	General data
Operating noise	little switching noise
Operating position	optional
Ambient temperature	-10 °C ... 50 °C
Housing type	distribution board housing
Installation type	Mounting rail (35 mm)
Housing material	polycarbonate (PC)
Protection class	IP20
sealable	true

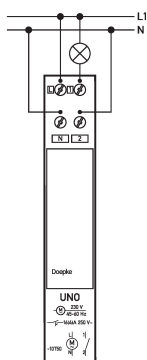
Technical Data	Uno QRD
Width	18 mm
Height	90 mm
Depth	66 mm
Installation depth	60 mm
Module widths	1
Weight	0.088 kg
Design requirements/Standards	EN 60529, EN 60335-1
Protection class according to EN 60335	II

Dimensions



Dimensioned drawing timers Uno QRD

Wiring example



Wiring example timers Uno QRD