

Design/Function

The timer unit Type 1078-1 can be fitted to all valves with the cable plug standard to DIN 43 650. This standard, developed by Bürkert, is used internationally.

The timer unit is internally programmable via DIP-switches and potentiometers. Four functions can be programmed. 2 LEDs display the mains voltage and valve status.

Advantages/Benefits

- ▶ Programming via DIPswitches and potentiometers
- ▶ 4 functions
- ► Time range from 0.5s 10h
- ▶ IP 65 rating
- Mains voltage displayed via LEDs
- ➤ Simple, space-saving installation instead of cable plug to DIN 43 650
- ► Flexible installation; cable outlet can be oriented in 90°-step intervals
- Low installation and wiring costs

Applications

- Repeated valve timing control
- Irrigation systems
- Condensate drain of compressors or pipeline systems
- Repeated timing control of unsupervised processes
- Cost-effective alternative to relays or PLC's for repeated valve operation



Technical Data

Operating voltages 12 - 24 V/ DC

24 - 48 V/ 50-60 Hz and DC 48 - 110 V/ 50-60 Hz and DC

110 - 230 V/ 50-60 Hz

± 10 %

Power consumption max. 1.0 W

Switching load Imax. = 2 A at supply voltage

12 - 24 V/ DC

Imax. = 1.5 A at supply voltage 24 - 48 V/ 50-60 Hz and DC

Imax. = 0,5 A at supply voltage

48 - 110 V/ 50-60 HZ and DC

110 - 230 V/ 50-60 Hz

Note

Terminal voltage and current type must always be compatible with the solenoid valve.

Cable outlet 4x 90° positioning

Poles 2-pole and earth

Outlet connector pin standard to

DIN 43 650

Contact spade terminal

(DIN 46 247/48)

Connection 3-pole terminal strip in the unit,

wire diameter max. 1.5 mm². PG-cable gland ø 6 to 7 mm

Rating IP 65

air gaps and leakage paths to

VDE 0100

Body material polyamide

Mounting cheesehead screw M 3 x 45 mm

Weight approx. 60 g

Working temperature

range 0 to +60 °C

Influence of temperature

on response time ±5 % of full scale time range

Influence of voltage on

response time ± 1 % of full scale time range

Display LED-connected power supply

LED-energized load

Adjustment Function and time range via

DIP-switches, precision adjustment of response times via potentio-

meters

Time setting ranges for ton and toff

Any of the time ranges for ton and toff can be selected. Within a selected time range ton and toff are adjustable

via a potentiometer:

1,5 - 30 s 5,0 - 100 s 0,5 - 10 min 1,5 - 30 min 5,0 - 100 min 12,0 - 240 min 0,5 - 10 h

0.5 - 10 s

Delivery status ton = 0.5 - 10 s

toff = 0,5 - 10 s

function pulse generator

Version with extended time range

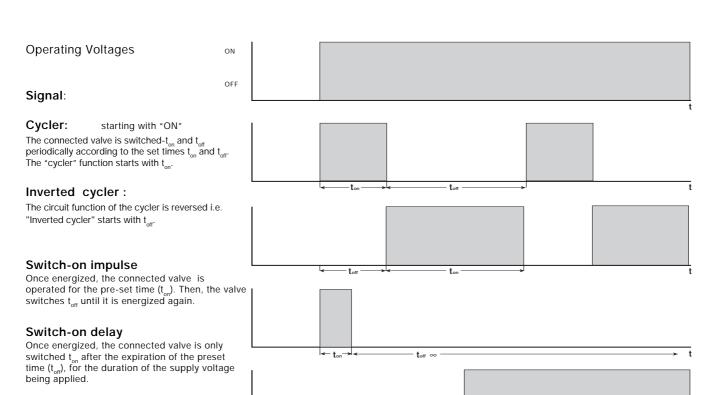
on request: 0,1 - 2 s

0,5 - 10 s 5,0 - 100 s 0,5 - 10 min 3,0 - 60 min 0,3 - 6 h 1,2 - 24 h 5,0 - 100 h

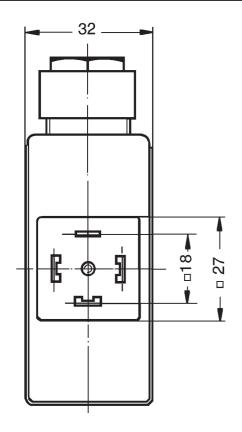
AC voltage timers should always be isolated from the

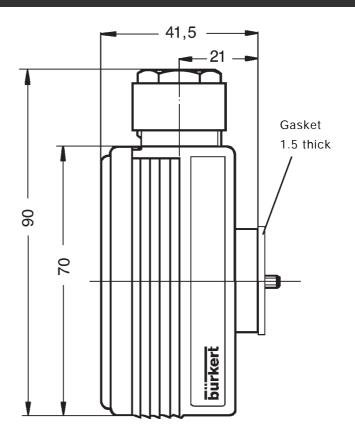
mains to change the function or time settings

Functions



Dimensions in mm





Ordering Chart (Other Versions on Request)

Voltage			Order-No.
AC	110 - 230 V/	(50-60 Hz)	060 620 N
AC, DC	24 - 48 V/	(50-60 Hz/ =)	060 621 B
AC, DC	48 - 110 V/	(50-60 Hz/ =)	414 900 U
DC	12 - 24 V/	(=)	060 647 M
Version with extended time range			
AC, DC	48 - 110 V/	(50-60 Hz/ =)	060 668 S
AC	110 - 230 V/	(50-60 Hz)	060 659 Z

Time control for impulse valves on request.