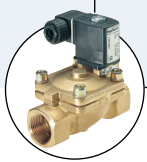




## Digital Timer Unit with 8 switch functions

- As 1078-1, except
- Programmable using separate operating unit
- 8 different switching functions
- Programme changes only possible with operating unit (protective function)
- 2-button operation with display

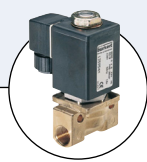
Type 1078-2 can be combined with...



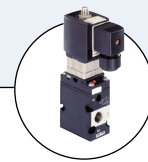
**Type 5281/6213**  
Solenoid valve



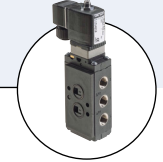
**Type 0330/0331**  
Solenoid valve



**Type 0255/0256**  
Solenoid valve



**Type 6518/6519**  
Solenoid valve



**Type 6519 NAMUR**




The Type 1078-2 works on the basis of a micro-processor and is used for controlling the cycle times of solenoid valves. Eight different cycle times can be set up.

The controller is plugged onto the tag connector of the solenoid valve using the integrated instrument socket according to DIN EN 175 301-803 (previously DIN 43650) Form A and can also be connected to a binary signal generator (Start and Reset).

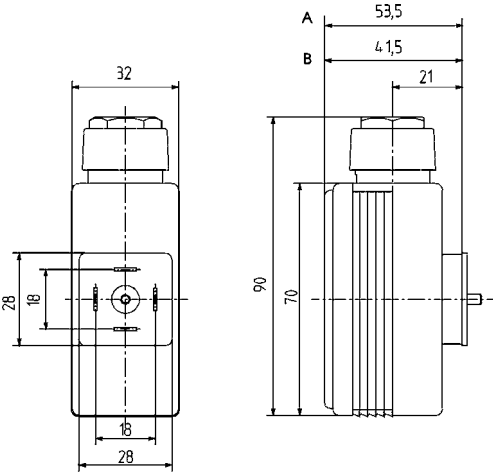
The 1077-2 operating unit is used to set switching cycles and interval periods using the 2 function buttons. Once these parameters have been set, the operating unit can be removed from the timer unit. The programmed values remain stored in the operating unit and the controller.

Technical data	
<b>Operating voltage</b>	12 ... 24/24 ... 48 V DC, 24 ... 48 V/50 ... 60 Hz
<b>Voltage tolerance</b>	± 10 %
<b>Nominal power</b>	1.5 W
<b>Switching output</b>	For the control of solenoid valves etc.
<b>Switching voltage</b>	As operating voltage
<b>Switching current</b> at 12 ... 24 V DC at 24 ... 48 V/50 ... 60 Hz	Max. 2 A Max. 1.5 A (7.5 A)
<b>Electrical connection</b>	5 pin terminal strip in the body, PG 9 cable connector, up to 1.5 mm <sup>2</sup> wires, Cable Ø 6 ... 7 mm, can be turned through 90°
<b>Number of terminals</b>	2 pins and protective conductor
<b>Plug connection</b>	Integrated cable plug to DIN EN 175 301-803 (previously DIN 43650) Form A
<b>Protection class</b>	IP65 with valve
<b>Clearance/leakage paths</b>	According to VDE 0100
<b>Operating temperature</b>	-10 ... +60 °C
<b>Storage temperature</b>	-10 ... +80 °C
<b>Operation</b>	With plug-on operating unit Type 1077-2
<b>Setting</b>	8 functions with 2 buttons on the operating unit Type 1077-2 (not supplied as standard)
<b>Time range</b>	0.2 sec. up to 9999 h, continuous
<b>Tolerance</b>	1 %
<b>Resolution</b>	Range up to 199 sec. 10 ms Range up to 199 min 1 sec. Range up to 99 h 1 min Range up to 9999 h 1 h
<b>Options</b>	Binary inputs for external triggering
<b>LED display</b>	Mains voltage Switch status
<b>Display (on operating unit Type 1077-2)</b>	4 ½ digit 7-segment LCD display
<b>Installation</b>	As required
<b>Mounting</b>	With cylinder head screws
<b>Body material</b>	Polyamide

**Ordering chart for Type 1078-2**

Accessory	Operating voltage	Item no.
Timer unit Type 1078-2	12 ... 24 V DC	060648 
	24 ... 48 V/50 ... 60 Hz and DC	060629 
Operating unit Type 1077-2		060638 

**Dimensions [mm]**



**A** Dimensions for timer unit with operating unit  
(not supplied as standard, please see ordering chart)

**B** Dimension for timer unit without operating unit,  
with protection cover (supplied as standard)

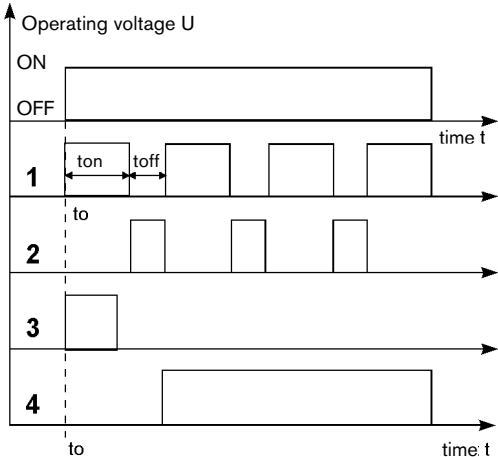
**Functions**

**Functions/switching cycles of the timer unit**

$t_o$  = Start time  
 $t_{on}$  and  $t_{off}$  are freely selectable

**Functions**

- 1 Cycler, starting with "On", start with  $t_{on}$
- 2 Cycler, inverted, starting with  $t_{off}$
- 3 Pulse timer for the set time  $t_{on}$
- 4 Switch-on delay, only switches after expiry of  $t_{off}$
- 5 Cycler with adjustable switch-on pulse
- 6 Cycler, time-delayed, starting with  $t_{off}$
- 7 Pulse generator, time-delayed, starting with  $t_{off}$
- 8 Pulse generator, inverted and time-delayed, starting with  $t_{on}$



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In case of special application conditions,  
please consult for advice.

Subject to alteration.  
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