



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 175301-803 (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		
Operating voltage	12 - 24/24 - 48 V/DC,	
	24-48 V/50 - 60 Hz	
Voltage tolerance	±10%	
Nominal power	1.5 W	
Switching output	For the control of solenoid valves etc.	
Switching voltage	As operating voltage	
Switching current at 12 - 24 V/DC at 24 - 48 V/50-60 Hz Electrical connection	Max. 2 A Max. 1.5 A (7,5 A) 5-pin terminal strip in the body, PG9 cable connector, up to 1.5 mm² wires, Cable Ø 6 to 7 mm, can be turned through 90°	
Number of terminals	2 pins and protective conductor	
Plug connection	Integrated cable plug to DIN EN 175301-803 (previously DIN 43650) Form A	
Protection class	IP 65 with valve	
Clearance/leakage paths	According to VDE 0100	

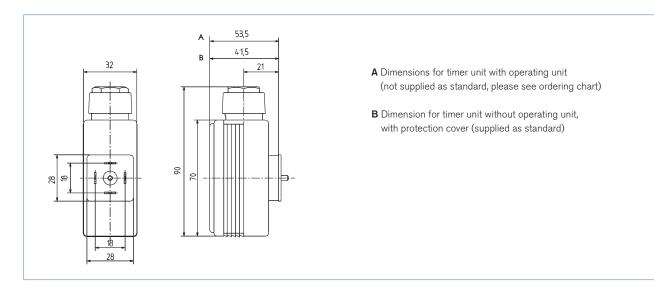
Operating temperature	-10 to +60 °C	
Storage temperature	-10 to +80 °C	
Operation	With plug-on operating unit Type 1077-2	
Setting	8 functions with 2 buttons on the operat-	
	ing unit	
	Type 1077-2 (not supplied as standard)	
Time range	0.2 s up to 9999 h, continuous	
Tolerance	1%	
Resolution		
Range up to 199 s	10 ms	
Range up to 199 min	1 s	
Range up to 99 h	1 min	
Range up to 9999 h	1 h	
Options	Binary inputs for external triggering	
LED display	Mains voltage	
	Switch status	
Display (on operating unit	4 1/2 digit	
Type 1077-2)	7-segment LCD display	
Installation	As required	
Mounting	With cheesehead screws	
Body material	Polyamide	



Ordering chart for Type 1078-2

Accessory	Operating voltage	Item no.
Timer unit Type 1078-2	12 - 24 V/DC	060 648
	24 - 48 V/50-60 Hz and DC	060 629
Operating unit Type 1077-2		060 638

Dimensions [mm]



Functions

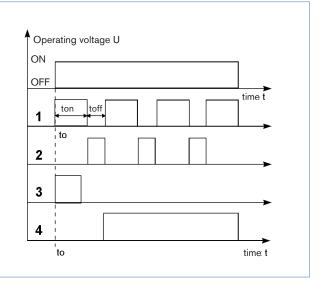
Functions/switching cycles of the timer unit

t = Start time

 t_{on}° and t_{off} are freely selectable

Functions

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



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

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