

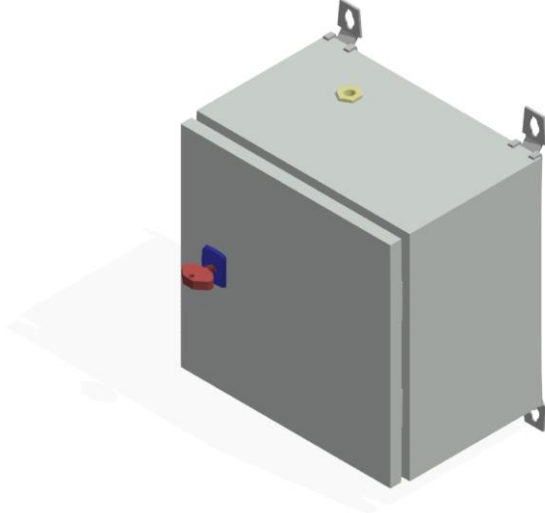


<b>PED- category:</b> SEP	<b>Non-electrical time delay device SNV-1828LC</b>	<b>Index</b>	<b>Description</b>	<b>Date</b>
<b>Fluid-group:</b> 2				22.05.22
<b>Product line</b> Sinorix™				
<b>SAP</b> S54476-C255-C1				
	EN 12094-2	  G310001 0786CPR30119		
				

**Technical data**

time delay range	3 – 100 sec
accuracy	+/- 1 sec
inlet pressure	10 bar
outlet pressure	10 bar
agent	N2, Ar, CO2, air
operating temperature range	0 ... 50 °C
dimensions	300 x 300 x 210 mm
weight	4 kg
finishing	RAL 7035, light grey
door stop	right
ingress protecting class	IP54
installation position	vertical, connections downwards
connections	G ¼ BSP female thread

**Usage**

The non-electrical time delay device SNV-1828LC is designed to be used in a pneumatic control circuit for single and multi-zone gas extinguishing systems. It controls the extinguishing actuation according EN12094-2 by means of a pneumatic / mechanical time delay to provide a high level of personnel protection. The delay device implements a delay between the given extinguish order and the pneumatic actuation of the extinguishing agent storage.

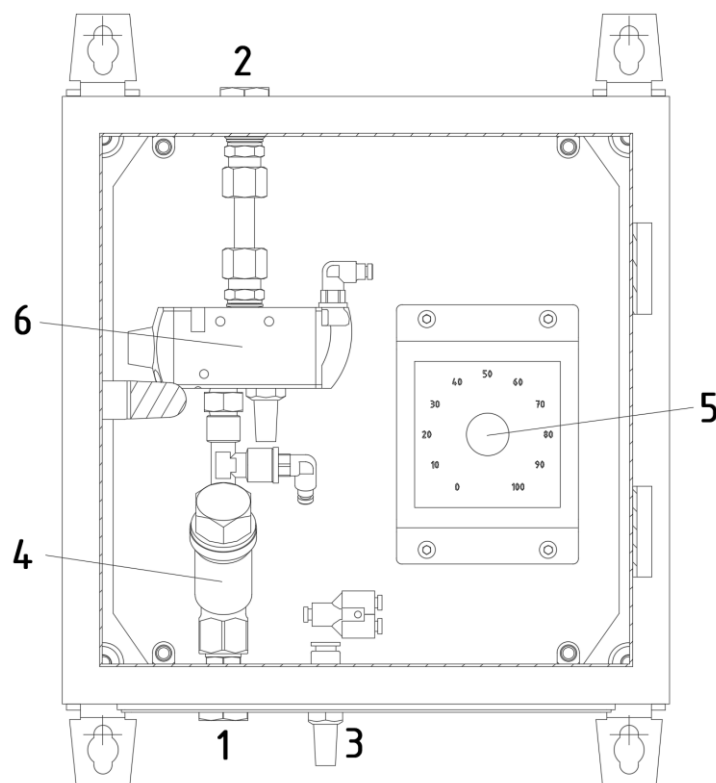
## Functionality

The function of the delay device SNV-1828LC is based on pneumatic and mechanical process that is started with the present of the control medium at the inlet P1. The release of the control medium occurs by an electrically triggered pilot cylinder.

The control pressure applied to input P1 is internally transmitted to the timer and starts the mechanical movement. After the set delay time has elapsed, the timer switches through the control pressure and controls the 3/2-way valve, which clears the way for the control medium to the delayed output. The output is used to control the pneumatic releases of extinguishing agent storage cylinders.

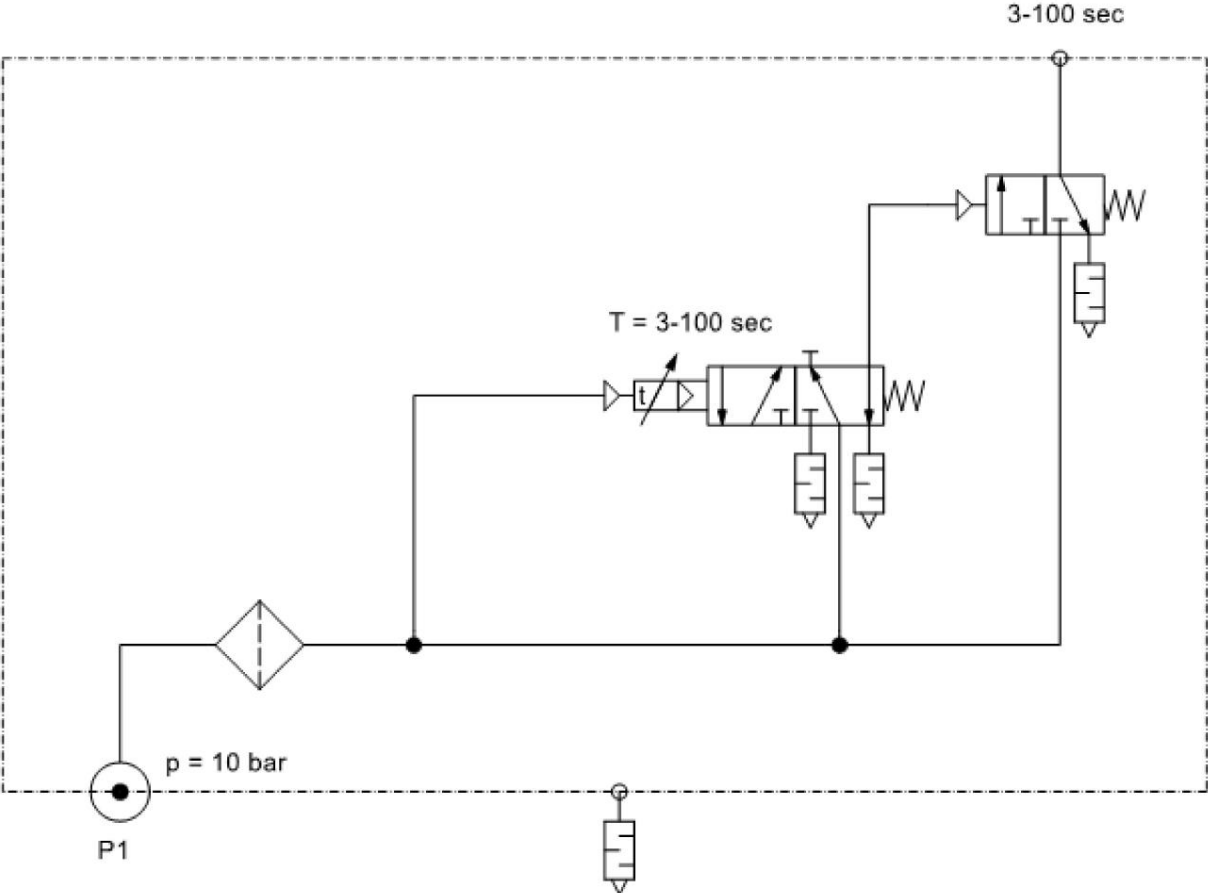
The timer is automatically reset after the input is vented. After that, the delay device is ready for operation again.

## Main components

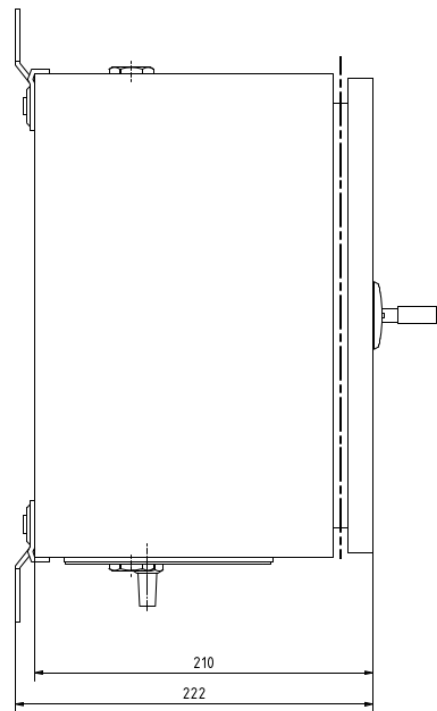
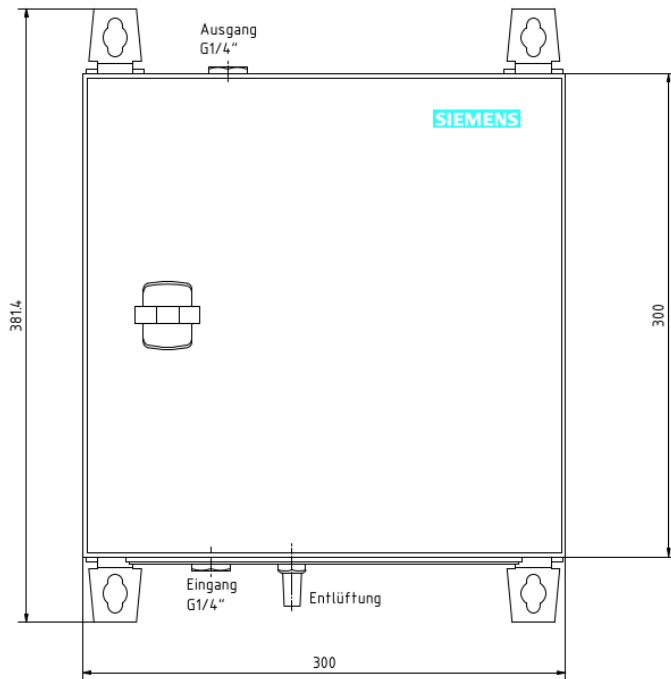
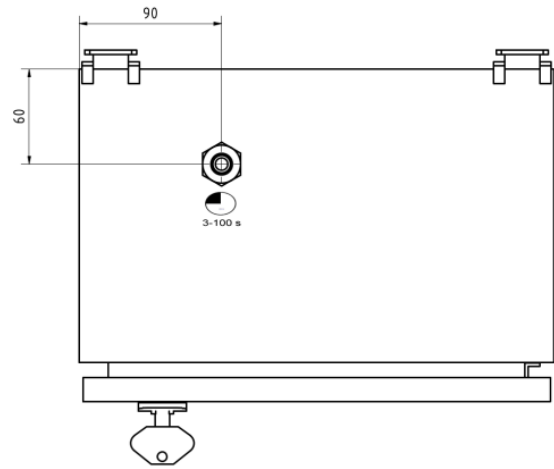
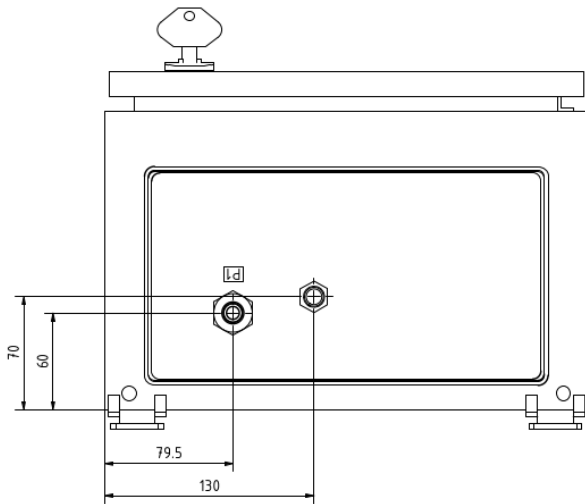


- |        |                            |
|--------|----------------------------|
| Pos. 1 | Inlet pressure (P1) 10 bar |
| Pos. 2 | Delayed output 10 bar      |
| Pos. 3 | Cabinet venting            |
| Pos. 4 | Dirt filter                |
| Pos. 5 | Timer                      |
| Pos. 6 | 3/2-valve                  |

Function chart



# Dimensions



## Installation guideline



Clean the control pipes before connecting the delay device.

The delay device shall be fixed on solid walls by using the mounting angles on the back of the cabinet. Please take the weight into account.

The mounting position should be chosen so that the control tubes are led from the bottom of the cabinet. The connection of the control tubes to the delay device is done by using cutting ring connections.

## Operation

To protect against unauthorized interference the cabinet is equipped with a lock.

The operation of the delay device is limited to the setting of the delay time. The delay time can be adjusted continuously variable in the range of 3 to 100 seconds.

## Maintenance instructions



Always block the system before conducting any maintenance work on the delay device.  
The test cylinder pressure must be equal to the pilot cylinder pressure for this specific project.

### Functional check

The correct function of the delay device must be checked at least once a year. After the function test and subsequent venting of the inlet, make sure that the red pointer of the timer has returned to the set delay time.

The dirt trap must be checked annually for dirt and cleaned if necessary.