Short overview

Time-Delay Module

SMC-Project: CEI00006

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1 Important notes

Danger categories
This description includes notes regarding risks, that can come up as a effect of an inappropriate use of the product. This notes are marked with a sign (warning, caution etc.). See the different signs down below:

- **Warning**
  …means, ignoring the sign will lead to heavy physical injuries and material damage

- **Caution**
  …means, ignoring the sign will lead to physical injuries and material damage

- **Note**
  …means, ignoring the sign will lead to material damage

- **Information**
  Tips and pointers to other information sources

2 Use according to the specifications

The Time Delay Module operates only in combination with a control unit (this unit is not provided by SMC). Take care about the use according to the following points:

- Conventional
- out-of-the-box
- without unauthorized modifications
- in technical proper condition

Please note, that you have to take care about your national safety terms and regulations. In case of technical problems please contact your local SMC distributor.
3 Introduction

Diese Dokumentation beschreibt eine kundenspezifisch angefertigte Nachblaseinheit. Sofern weitergehende Dokumentation, z. B. für allgemeine oder kundenspezifische Anforderungen an übergeordnete Systeme wie z. B.: This documentation describes a customized Time Delay Module. Further informations (general or customized) regarding

- mounting
- the control unit
- health and safety in the workplace

are in responsibility of the machine builder.

4 Warranty claim

All supplies and deliveries are subject to our terms and conditions of sale, delivery and payment. Furthermore the customer has to comply with our terms regarding the use of software. Claims based on defects are legitimate as long as the pneumatic components are used according to the specifications. The technical specifications are mentioned in our product catalogues. All claims to SMC restrict only to the components and the functions of the Time Delay Module CEI0006. Further claims regarding...

- the control unit
- incorrect bringing into service
- improper mounting
- improper handling
- wrong operating
- improper maintenance
- improper repairing
- the use of spare parts which are not approved by SMC

...will be rejected.
5 Security advice

⚠️ Warning
It is not allowed to change the operating point of the system.

⚠️ Warning
SMC does not know the components which the Time Delay Module is used with in your automation system.

Hence SMC does not take the responsibility for physical injuries and material damage beyond the actual product liability act.

The user has to take the responsibility regarding the local safety regulations
Handling, maintaining and repairing the time delay module is only allowed for qualified personnel.
6 Short description

The Time Delay Module CEI00006 includes mounted tubings and electrical automation components.

The module is supplied with air via the main port of the main pressure supply. Maximum pressure 1.0MPa.

As long as there is an electrical signal on the valve (Pos. 6, see appendix 2), the port (position 24) will be pressurized.

Once this electrical signal is interrupted, the pneumatic counter starts counting down the prior set time. After having finished the countdown the blowprocess (position 24) will be stopped.

For details please refer to the next pages.
### 6.1 Details Time Delay Module CEI00006

#### Pos. | Article number | Description |
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<tr>
<td>1</td>
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<td>EAX1502-RA-03</td>
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</table>
7 Functional description

(1) As long as there is an electrical signal on the valve (pos. 6), the port (pos. 24) will be pressurized.
(2) After the electrical signal is interrupted, the port on pos. 24 is still be pressurized.
(3) The blow process continues until the time (adjustable till 99999 minutes) is elapsed.
(4) After this the valve (position 5) operates, the port will be exhausted.
(5) If the valve (position 6) is operated during the countdown, the port (position 24) is still be pressurized and the counter on the timer will be set back to „0“.

Setting the counter (timer):

(1) Via connection X the internal timer starts counting down, counter reset via connection Y.
(2) After the countdown the output A operates the valve (position 5)
(3) By operating the button located on the left side and the buttons located on the counter, you can adjust the counter. (e.g. 00235 Min.)
(4) During the countdown in the upper scale the time will be clocked. By reaching the set time (e.g. 00235 Min.) the valve on position 5 will be operated.
(5) Changing the pre-selected time please refer to point 2.
8 Appendix

1. Drawing valve pos.6 with M12 pin assignment
2. Drawing Time delay module CEI00006 with schematic diagram
1. Appendix
2. Appendix