

## D\_block [FB10]

### D\_block Properties

#### General

<b>Name</b>	D_block	<b>Number</b>	10	<b>Type</b>	FB	<b>Language</b>	SCL
<b>Numbering</b>	automatic						

#### Information

<b>Title</b>		<b>Author</b>		<b>Comment</b>		<b>Family</b>	
<b>Version</b>	0.1	<b>User-defined ID</b>					

Name	Data type	Default value	Retain	Accessible from HMI	Visible in HMI	Setpoint	Comment
▼ Input							
input	Real	0.0	Non-retain	True	True	False	
delta_t	Real	0.0	Non-retain	True	True	False	
TD_sec	Real	0.0	Non-retain	True	True	False	
▼ Output							
output	Real	0.0	Non-retain	True	True	False	
InOut							
▼ Static							
input_prev	Real	0.0	Non-retain	True	True	False	
Temp							
Constant							

```
0001 #output := #TD_sec * (#input - #input_prev) / #delta_t;
0002 #input_prev := #input;
```

Symbol	Address	Type	Comment
#delta_t		Real	
#input		Real	
#input_prev		Real	
#output		Real	
#TD_sec		Real	