Time functions

### Delay functions

**On delay**

- \( t \rightarrow S \rightarrow R \) on with delay
- \( S \rightarrow R \) off with delay

**Off delay**

- \( S \rightarrow R \) on
- \( S \rightarrow R \) off with delay

**On and off delay**

- \( S \rightarrow R \) on with delay \( t_1 \)
- \( S \rightarrow R \) off with delay \( t_2 \)

### Shot timing modes

**One shot leading edge**

- \( S \rightarrow R \) on for \( t \)
- \( S \rightarrow R \) off (pulse clipping)

**One shot trailing edge**

- \( S \rightarrow R \) on for \( t \)
- \( S \rightarrow R \) off

**One shot leading and trailing edge**

- \( S \rightarrow R \) on for \( t_1 \)
- \( S \rightarrow R \) off for \( t_2 \)

### Puls shaping

**Puls shaping**

- \( S \) (pulse or continuous contact)
- \( R \) on for \( t \)
- \( S \) off for \( t \)

**Puls shaping, retrigger (subseq. time operation from 0)**

- \( S \) (pulse or continuous contact)
- \( R \) on for \( t \)
- \( S \) on for \( t = \) reset

**Puls shaping**

- \( S \rightarrow R \) on for \( t \)
- \( S \) off for \( t \)

### Delayed pulse

**On delay single shot**

- \( S \) (pulse or continuous contact)
- \( R \) after \( t_1 \) for \( t_2 \)
- \( S \) off for \( t_2 \)

**On delay single shot**

- \( S \rightarrow R \) after \( t_1 \) for \( t_2 \)

### Blinker functions

**Blinker, pulse start**

- \( S \rightarrow R \) on/off periodically according to \( t \)
- \( S \rightarrow R \) off

**Blinker, pulse start, trailing pulse**

- \( S \rightarrow R \) on/off periodically according to \( t \)
- \( S \rightarrow R \) off; last pulse = \( t \)

**Blinker, interval start**

- \( S \rightarrow R \) after \( t \) on/off periodically according to \( t \)
- \( S \rightarrow R \) off

### Repeat cycle timer

**Repeat cycle timer, pulse start**

- \( S \rightarrow R \) on/off periodically according to \( t \)
- \( t_1 \) and \( t_2 \)

**Repeat cycle timer, interval start**

- \( S \rightarrow R \) after \( t_1 \) (\( t_2 \) on/off periodically according to \( t_2 \) and \( t_1 \))

### Special functions

**Star-delta timer**

- \( t \rightarrow S \rightarrow R \)
- \( S \rightarrow R \) on for \( t \)
- \( S \rightarrow R \) off with delay for \( t \)

**Restart delay**

- \( S \rightarrow R \) on
- \( S \rightarrow R \) off and starts \( t \)
- \( S \rightarrow R \) restart only after \( t \)

### Stop/Reset

- **STOP** Interrupts \( t \) (t-addition)
- **RESET** Reset \( t \)
- **T** is stopped
- **T** is reset

**ON**

**OFF**

### Pulse sequence monitoring

- **S1/S2** = Monitoring start
- **P** = Pulse sequence
- **tP** = Pulse separation
- **tv** = Settable alarm delay

- **t** = Triggering
- **R** = Output circuit
- **n** = Switches...

- **P** = Pulse sequence
- **tP** = Pulse separation

- **S1/S2** = Monitoring start

- **P** = Pulse sequence
- **tv** = Settable alarm delay
- **(tA = tv)**