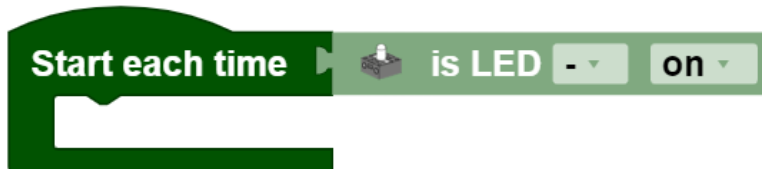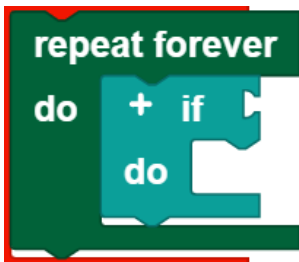# Outputs

## The Start each time block

The **Start each time block** offers the option of running a program when a condition is fulfilled. Therefore, it works similar to a case distinction, but runs not only one time, but rather every time the condition is fulfilled during the entire course of the program. The **Start each time block**:



Is an abbreviation for the following construct:



You can insert all conditions from this category into the Outputs category in the **Start each time block**.

**Note: The program section in the Start each time block should be kept short, and should not contain any blocking calls or endless loops, so that this part of the program can be processed quickly.**

## LEDs



### Set

You can use the **set LED ...** and **set LED brightness ...** blocks to switch the LEDs on and off, and to set their brightness to a certain value (from 0 to 512).

### Call

You can use the **get LED brightness** block to call up the brightness of an LED and process it as a value.

### Query

You can use the blocks **is LED ...** and **is LED brightness ...** to use the activity or the brightness of an LED as a condition. In the example, the brightness of the LED is set to 512 if it does not already have this brightness.



# Motors

The symbol on the motor blocks represents all motors that are not encoder or servo motors.

## Set

You can use the **set motor speed to []...** block to set the speed of a motor to a certain value (from 0 to 512).

## Call

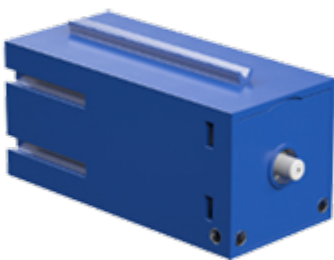You can use the **get motor speed** block to call up the speed of a motor and process it as a value.

## Query

You can use the blocks **if motor is running** and **if motor speed is ...** to use the activity or speed of a motor as a condition.

## Stop

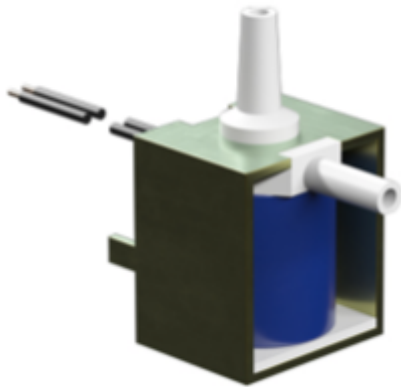You can use the block **stop motor ...** to stop a motor.

# Compressor



## Set

You can use the block **set compressor []** to switch the compressor on or off.

## Query

You can use the block **if compressor []** to use the activity of a compressor as a condition.

# Solenoid valve



## Set

You can use the block **set solenoid valve []** to switch the solenoid valve on or off. Here, "on" means that the valve is open, and "off" means that the valve is closed.

## Query

You can use the block **if solenoid valve []** to use the activity of a solenoid valve as a condition.

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