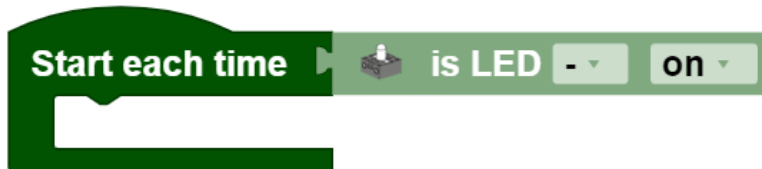


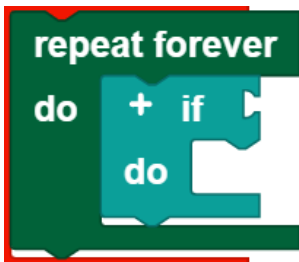
# Outputs

## 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.

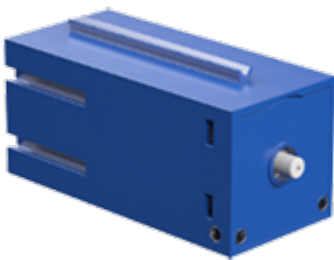
### Query

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



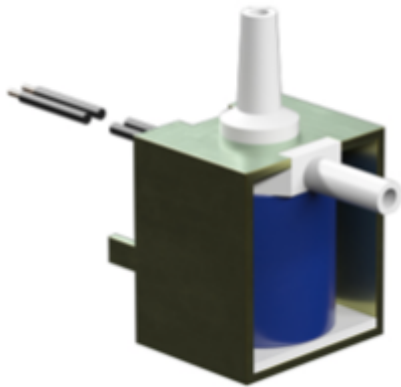
### Set

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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