

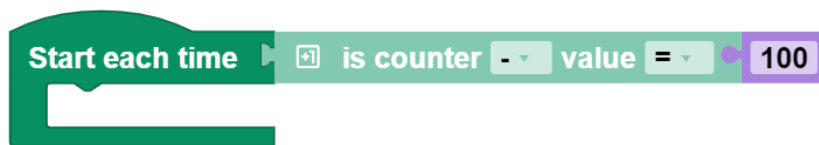
# Counter



The encoder motor can be used as a counter. The number of revolutions is counted, not only when it is turning itself as a motor, but also when it is mechanically driven by an external force.

## 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 counter 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.

## Call

Use **Get counter value** to obtain the value counted by the counter.

## Query

To query whether the counter has counted a certain value, use this



the drill hole. You can use the drop down menu (small triangle) to select how the counted value should be compared to the entered value (<, ?, =, ?, ?, >) .

## Reset

The counter starts over at 0 when the **Reset counter block** is executed.

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