

SOFTWARE SETTING

E-Gripper
Techman

DDOC00580

THE KNOW-HOW FACTORY

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1. Supporting documents

Notice:



Read through the installation and operating instructions carefully before using the product! The installation and operating instructions contain important notes. They must be read and understood by all persons who work with or handle the product during any phase of the product's lifetime.

- Software data
- Performance data of the gripper
- Technical data sheets of the gripper
- General Terms and Conditions of Business, including warranty information

2. Personnel qualification

Installation, commissioning and maintenance may only be performed by qualified personnel. These personnel must have read and understood the installation and operating instructions in full.

3. Software „HRC-03-101016“

3.1 Settings

► Please check the connection of the TM robot with gripper HRC-03-101016.

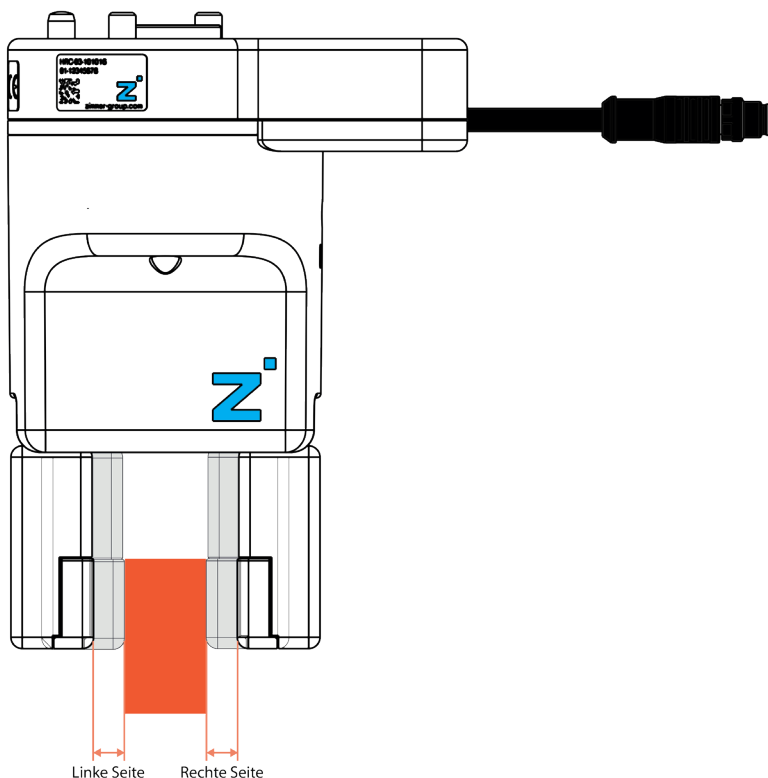
The HRC-03-101016 uses an analog feedback signal. This feedback signal can be used to track the position of the gripper jaws. In addition, the configuration can be used to inform the gripper at which position the gripper should stop to grip the desired part.

3.2 Configuration

In order to complete the configuration, the gripper needs some information about the part to be gripped.

The following information must be provided to the gripper:

- Target value [mm] (left side [mm] + right side [mm])



Item	Variable	Default Value
Combined distance of the gripper-jaws in mm before gripping onto the work piece	var_target_value	5
Tolerance in mm to define the work piece as correct	var_tolerance	0.5

3.3 Hardware-Release

The gripper is suitable for robot release 3.0 or higher.

⇒ **ATTENTION: The software does not work with older grippers!**

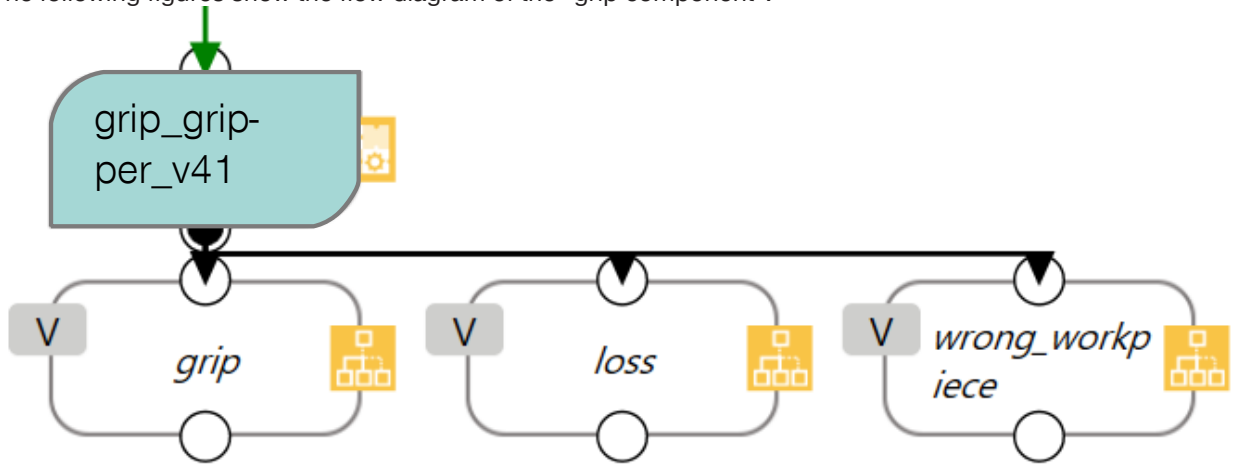
3.4 Menu bar and flow chart of the software

The following components appear in the left menu bar for selection:

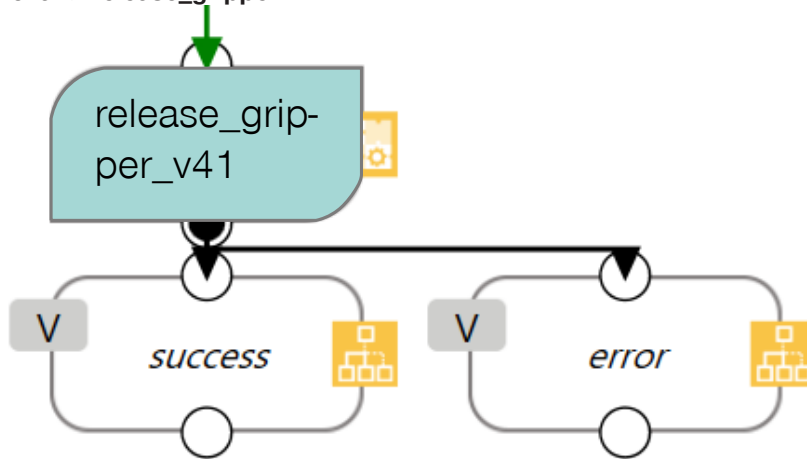


3.4.1 Flowchart “grip_gripper”

The following figures show the flow diagram of the “grip component”.

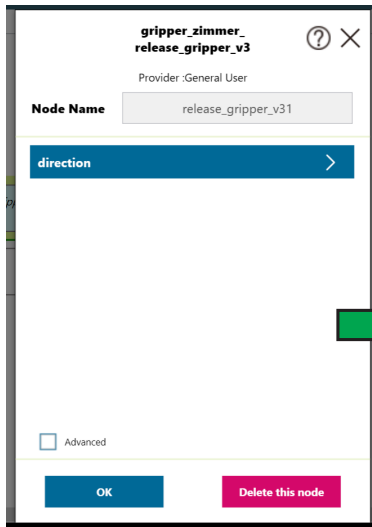


3.4.2 Flowchart “release_gripper”

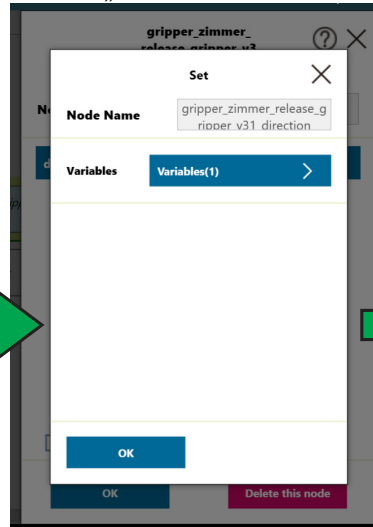


3.4.3 Setting options within the “Release Component

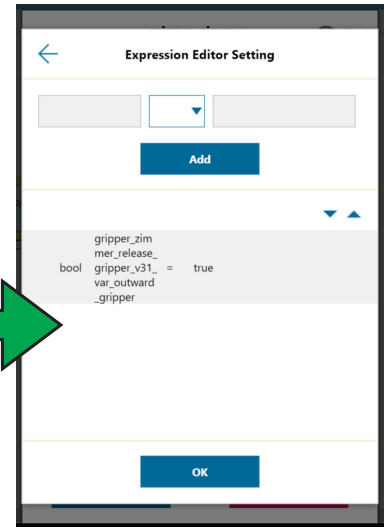
► Click “direction”



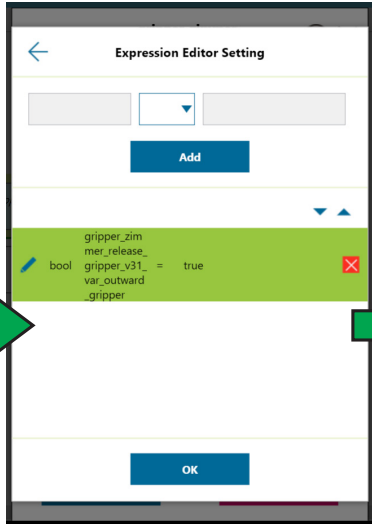
► Click „variables“



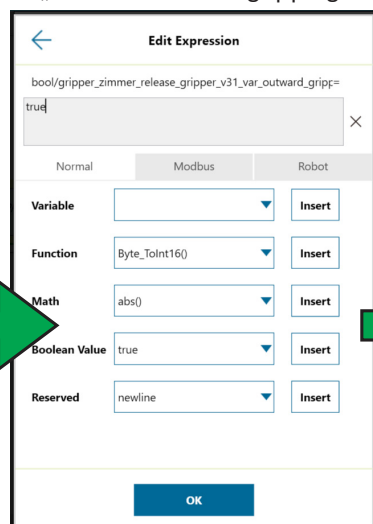
► Select the first variable



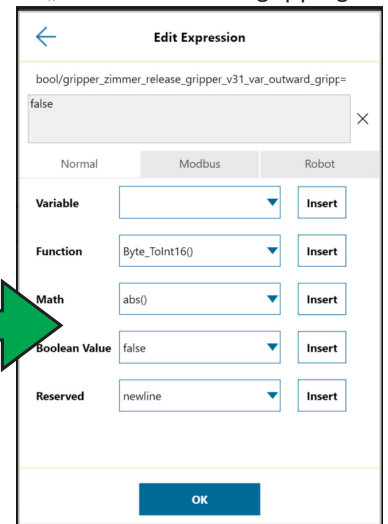
► Click on the icon



► „true“ for external gripping”



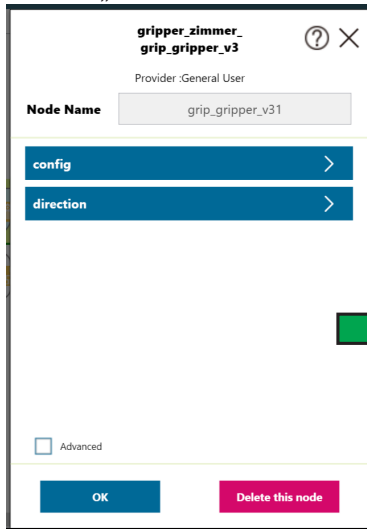
► „false“ for internal gripping



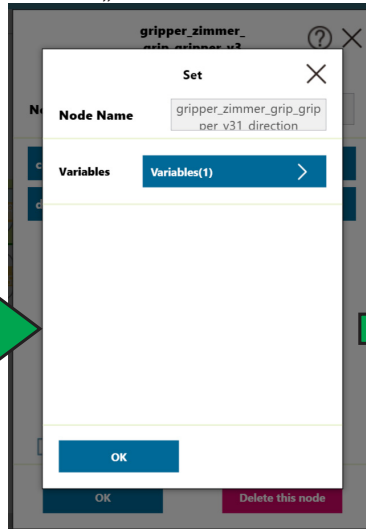
⇒ **ATTENTION: All windows must be confirmed with “OK”!**

3.4.4 Setting options within the "Grip Component"

Click „direction“



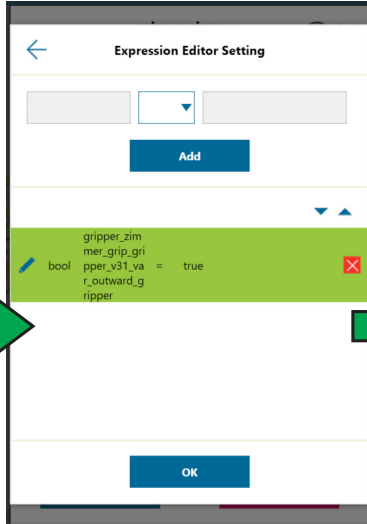
Click „variables“



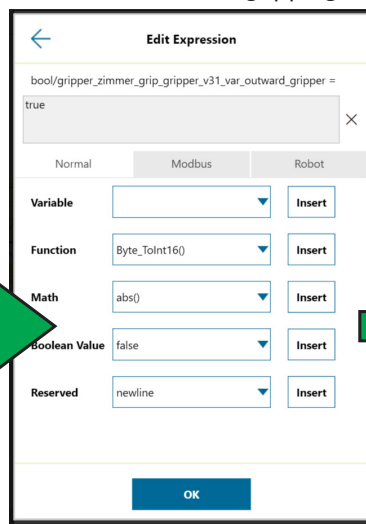
basic view "Variable 1"



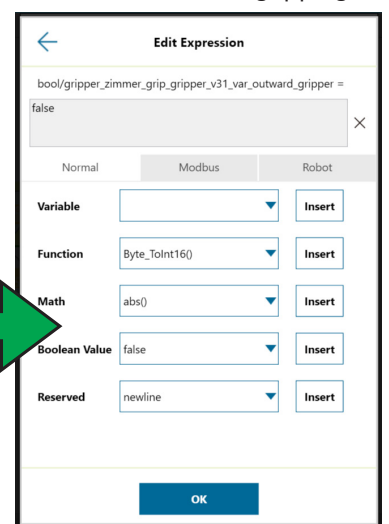
Click on the icon



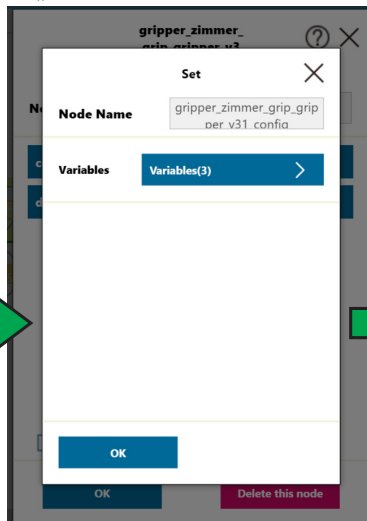
„true“ for external gripping



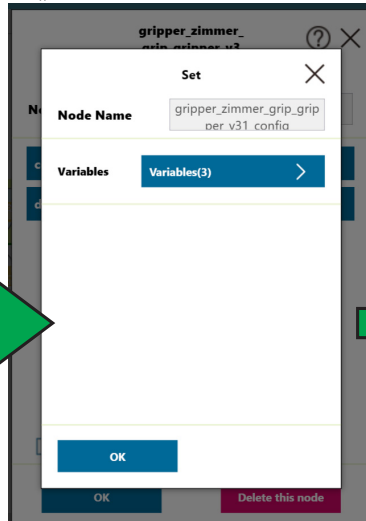
„false“ for internal gripping



Main menu item "config"
„variable“



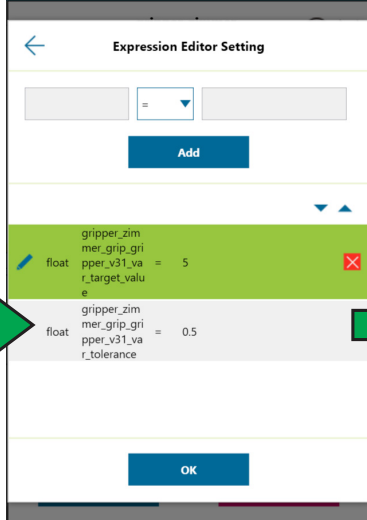
„variable“



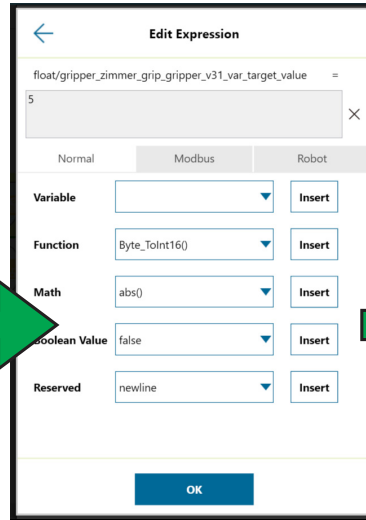
basic view



▶ Selection the „var_target_value“



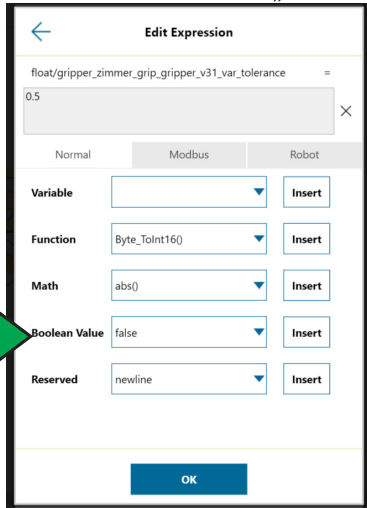
▶ Click on the icon - „5“



▶ Selection the „var_tolerance“



▶ Click on the icon - „0.5“



⇒ **ATTENTION: All windows must be confirmed with “OK”!**