RLSH-FN, RHLF-FN, RCKL-FN Series

Software "CKD Pneumatic Gripper" Operation Method

This is an overview of how to operate the dedicated software "CKD Pneumatic Gripper" for this product. For details, please refer to the robot manual and this product's instruction manual.

Software Installation

Download the Plug & Play software package dedicated for FANUC Robot CRX series from CKD's website (https://www.ckd.co.jp/en/) and install the files according to the instruction manual.

Installation Settings Screen

Set the digital I/O of the directional control valve for opening/closing the gripper. Since the actual opening/closing status can be checked on the graphic display, it is easy to confirm if the signal is not reversed. Use a 2-position double solenoid directional control valve to prevent workpiece drop when the signal is interrupted.

Directional Control Valve Digital I/O Setting
Set the digital I/O for the directional control valve to actuate OPEN and CLOSE respectively.

Test Button
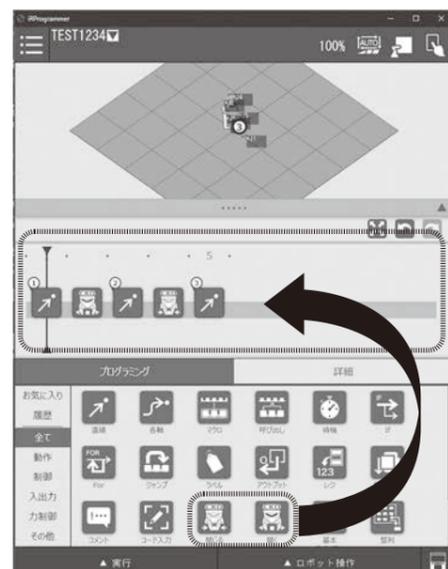Check OPEN/CLOSE operation to confirm correct I/O settings.

Graphic Display
Displays the gripper's OPEN/CLOSE status and the operating status of the built-in cylinder switch with color changes.
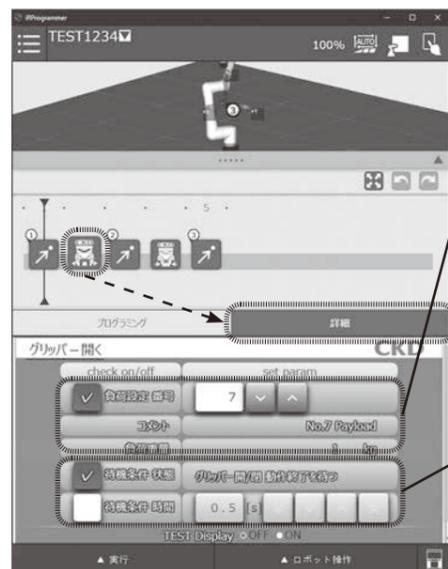
Program Screen

Drag & drop command icons to create robot programs. Detailed program settings are possible for each icon.

Program Creation

Detailed Parameter Settings

Load Setting
Load setting is possible after gripper operation. Specify the load number registered in the robot body, and set the total weight, center of gravity position, and inertia combination.

Waiting Conditions
Set conditions for proceeding to the next operation after gripper actuation. Gripper Operation End and "Time" can be specified as waiting conditions.

MEMO

Cylinder Switch

Ending

Cylinder Switch

Ending