

PLC

In this program you can activate a working day in the Krembo factory.

Description

To start your day, you need to initiate the inventory and start pressing the relevant switches as will detailed in executing program.

Getting Started

Dependencies

- Gx Works

Executing program

- Open the attached file -> press run -> insert input to the console according to output written.
- Open the attach file -> press the online tab and choose 'PLC memory operation' -> press 'clear PLC memory' -> press the Compile tab and choose 'Rebuild All' -> press the Online tab and choose 'Write to PLC' -> press 'Start Monitoring' -> fill the desired inventory in the 'Watch 1' window (on the right-down corner) -> press the Online tab and choose 'Remote Operation(s)' -> press 'RUN'.
- For starting the plan, you should press the switch 'X007' -> button 'X011' to transferring the whipped cream from the stock tank to the pouring tank -> switch 'X001' to sprinkling whipped cream on the biscuit bases in machine A -> button 'X010' the power button. It turns on a Y4 light bulb. -> switch 'X004' The camera sensor that confirms that a sprinkling has been made on the carbo rule on the surface . It turns on a flicker between a 'Y0' bulb to 'Y1' bulb. -> switch 'X006' to dip the crambo in chocolate in machine B. It turns on a Y4 light bulb for 5 seconds.
After that the bulb turns off, switch 'X000' up and down for 6 times for packing a surface Krembo. This will turn off a light 'Y7'. At this point, the process will end
- If there is a lack of raw material (whipped cream/ chocolate/ biscuit coasters) to produce one more krembo package the day will end. Another option is pressing the 'X005' switch to stop the sprinkling machine in case of machine malfunction. After this action, the sprinkling machine can restart from the beginning at another activation (and meeting all the required conditions).

Help

Note that the code does not support fractions and negative numbers.

Authors

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