

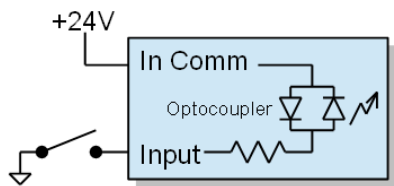
MMC Quick Start Guide

Lesson 2) Using Digital Inputs

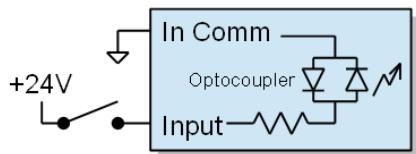
Inputs can respond to sourcing signals (PNP, switch closure to +24V) or sinking signals (NPN, switch closure to ground).

Step 1) Examine your sensors and determine if the controller inputs need to respond to sourcing or sinking type. It is simplest if the sensors are all the same type. If sensors are not all the same type contact Modusystems for additional information to support your particular sensor configuration.

Step 2 for sinking) If you have sinking inputs then wire In Comm to 24 volt plus and your sensor to input 1



Step 2 for sourcing) If you have sourcing inputs then wire In Comm to 24 volts minus and your sensor to input 1



EStop behaves like an input and must be active to permit motion.

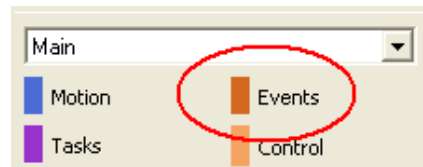
Step 3) Apply power and start the Snap2Motion software. You should expect to see the green LED start to blink and the yellow LED steady on.

Make a Block List

Step 4) Click the "Blocks" Tab.



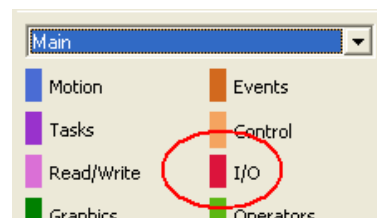
Step 5) Click the "Events" Category.



Step 6) Drag the "On Event" into the workspace.



Step 7) Click the "I/O" Category.



Step 8) Drag the "Input 1" block onto the diamond field in the OnEvent Block.



Step 9) Drag the "Turn Yellow LED" block under the "On Event" block and confirm the diamond shows "On".



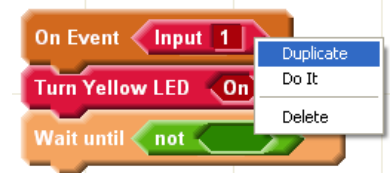
Step 10) Select the "Control" Category and add the "Wait Until" block.



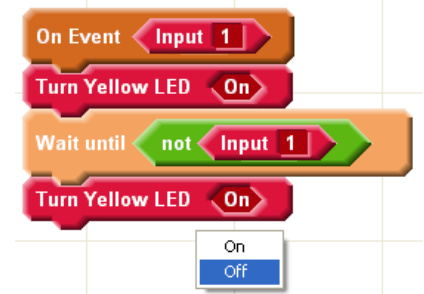
Step 11) Select the "Operators" category and put a "Not" block into the "Wait Until" diamond field.




Step 12) Right click on the "Input 1" diamond block in the list and select "Duplicate" from the pop-up menu.



Step 13) Drag the duplicate diamond into the "Not" block diamond field. Click on the "IO" Category, drag another "Turn Yellow LED" block onto the list, left click the diamond field and select "Off".



Step 14) Click the  button and wait for the status to indicate "Running".



Step 15) Activate the sensor and the yellow LED on the side of the MMC should turn on. Deactivate the sensor and the LED should turn off. File|Save your work on the PC. To autostart this program click "File|Save In Controller". The program will start when powered up.