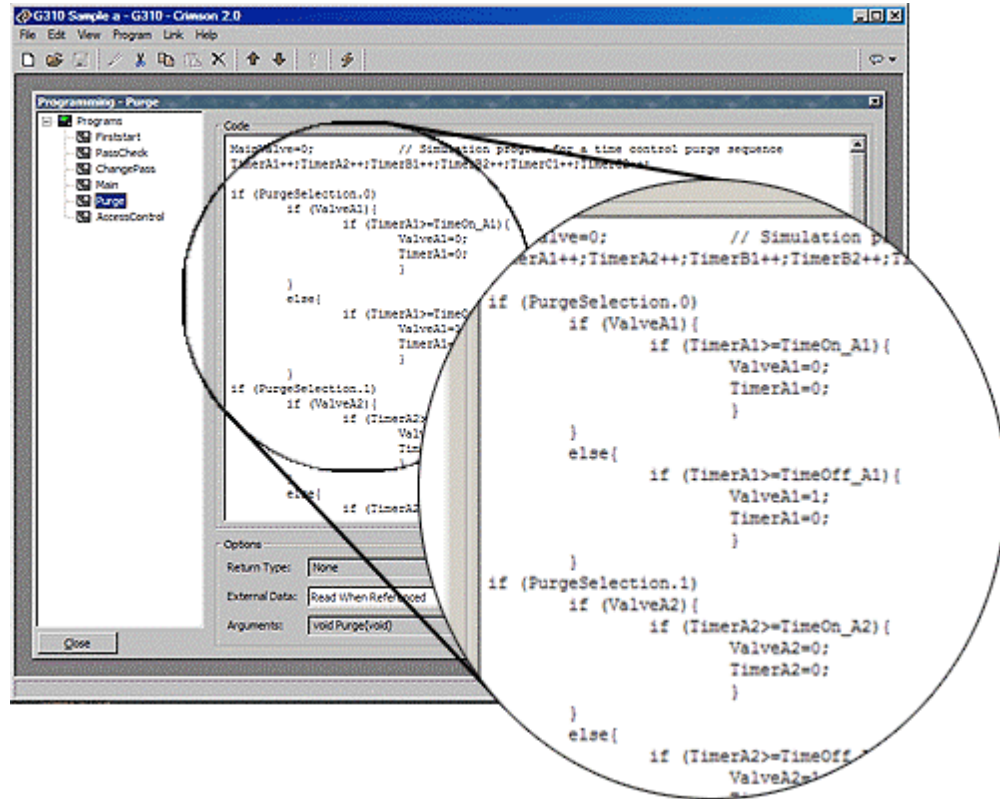


BUILT IN COMPILER

DESCRIPTION



While we do our best to create the most powerful interface on the market, we can't always keep up with our customers' imaginations. We've thus included a powerful programming system to allow you to implement any additional functionality that your application may need. The C-like programming language features blistering performance, advanced math capability, and provides direct access to many of the G3's unique features, like the CompactFlash card and the multiple serial ports. You can even create TCP/IP connections to extract data from websites!

BENEFITS

- Allows customer to write custom routines specific to their application, e.g. advanced calculations and logical expressions.

CREATING A SIMPLE PROGRAM IN 10 STEPS

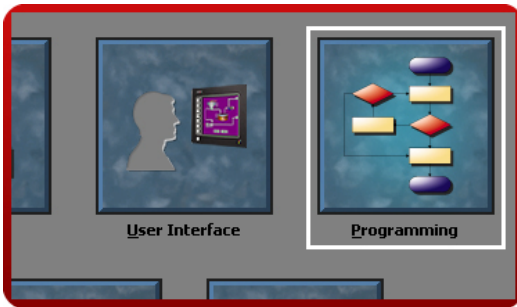
Step 1 Create a flag called "Direction".



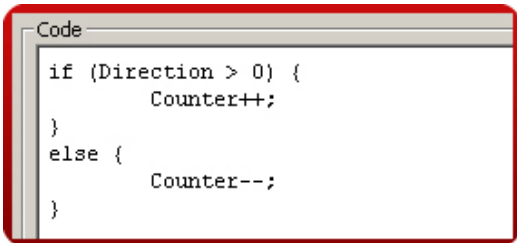
Step 2 Create an integer variable called "Counter".



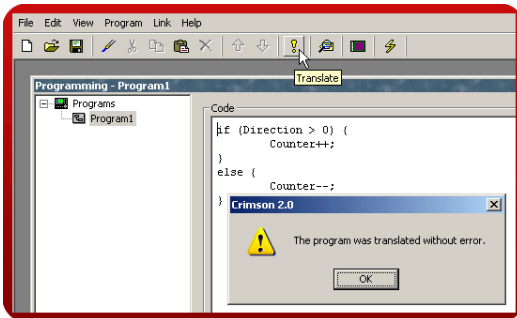
Step 3 Enter the "Programming" module.



Step 4 Insert the following code.



Step 5 Compile the program.



Step 6 In the user interface, insert the counter tag on the display.



Step 7 Then, insert a flag tag button.

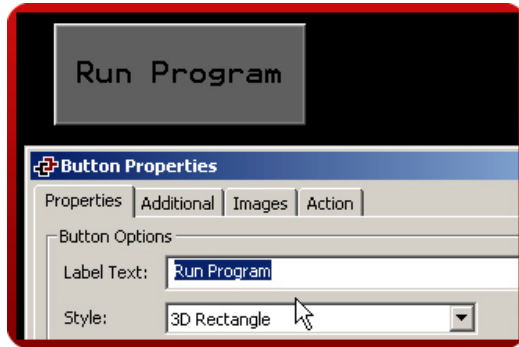


Step 8 Choose the tag "Direction" and select Data Entry.

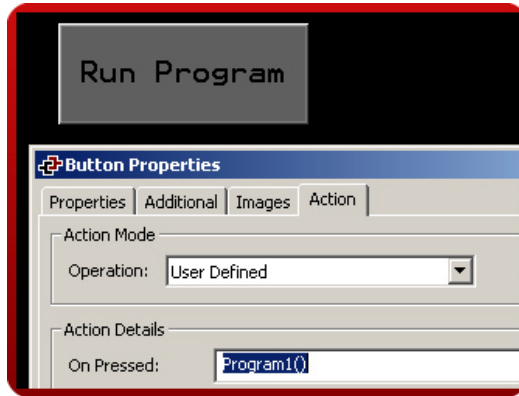


Steps 9 and 10 are on the following page.

Step 9 Create a button and label it “Run Program”.



Step 10 In action, enter “Program1()”. This will execute the program once.



By changing the Direction flag value, the Counter will either increase or decrease when the program is executed.

Programming complete!

Reference: <http://www.redlion.net/g3features/G3 Feature - Programming.html>

For more information on Crimson 2.0, refer to the manual.