Go to the File and create a New Controller, select controller, name it and press ok at the end.

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Simply just right click at the end and open New Module on "Compact Local Bus".

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Search the Input Module 1769-IQ16-A and Output Module 1769-OW8-B with default slot number, create it, name it and press ok.

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Similarly for the output Module.

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Go Task-Main Task-Main Routine and drag the ladder logics to construct interlock program.





Double click, name it after that right click on it and click create it and do same with every ladder logics.





Then after edit by righ click and change the Type to 'Alias' select "Local:1:I:Data" Press down arrow and assign "0" as shown in figure. Similalry, for output also you have to do the same..

8 RSLogix 5000 - Simply_OnOff [1769-L32E 20.11]* - [1	MainProgram - Ma	ainRoutine) —	٥	×
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Select the Communication-WhoActive and Download the Ladder Program.



For normal simulation to see simply ladder logic work then click "NoForce then click Enable all Forces" and run the program in online mode "Run" or "Rem" not in Prog. But if required practically you can give 24 voltage in input module of PLC with wiring output module then you can run PLC in "Prog" mode.



Always there should be '0' errors then only the PLC program runs smoothly.

Description Status Number of Routines	Scheduled 1	MainRoutine	× >
Main Routine	MainRoutine	Errors	- ↓ X
Max Scan Last Scan		Downloading all Tasks Downloading task 'MainTask' Downloading Security Configuration Downloading Controller attributes Linking all Routines Linking routine 'MainRoutine' of program 'MainProgram' Reading ChangeLog Complete - 0 error(s), 1 warning(s)	^

