

[Honeywell IPC620 Level 1](#)

Downloaded on Wednesday 8th February 2012

<b>Software</b>	IPC620 Loader
<b>Duration</b>	5 Days
<b>PLC-Type</b>	Honeywell IPC620
<b>Pre-Requisites</b>	None course for beginners
<b>Maximum Delegates</b>	6

### Brief Description

The course is aimed at maintenance personnel with little or no knowledge of Honeywell IPC 620 PLC's. Students will be taught how to fault find the IPC using the LOADER software package. The course will also provide the student with the ability to upload and download programs as well as make basic modifications to the PLC code. On completion of the course the student should:

- \* Be able to fault find basic IPC 620 hardware.
- \* Understand and be able to interpret Ladder Logic programs.
- \* Be able to view and add documentation / comments to a ladder logic program using the loader software.
- \* Have a basic understanding of the Loader software package and be able to utilise it to perform certain tasks.
- \* Be able to make minor software modifications including altering timer presets and adding contacts.

### Course Documentation

- \* IPC620 Loader Manual

### Course Content

To fault find a system you need to know EXACTLY how it works HOW EXACTLY DOES A PLC WORK?

- \* Am I getting the input to the PLC?
- \* Am I getting the output from the PLC? (not always)
- \* What exactly happens in between? ,theres more than just a program in the CPU
- \* How exactly does it scan the program?
- \* What is this Watchdog Timer?
- \* Is it that important?
- \* Can I use the same output twice? That's bad programming isn't it? Then you need to

Know the specifics

- \* Overview of Honeywell IPC hardware
- \* Identifying System Components
- \* Understanding I/O addressing
- \* Understanding System LED's
- \* Understanding Modes of Operation
- \* Getting Started with Loader Software
- \* Downloading, getting online and saving

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- \* Comparing Programs
- \* Monitoring and Entering Data
- \* Bit Instructions
- \* Timer & Counter Instructions
- \* Documenting a program
- \* Comparison Instructions
- \* Data Handling Instructions
- \* Program Control Instructions
- \* Searching Ladder Logic
- \* Forcing Inputs and Outputs
- \* Editing Ladder Logic
- \* Printing Documentation
- \* Replacement of Processor batteries
- \* Troubleshooting Processor and Power Supply problems
- \* Troubleshooting Discrete I/O Problems

## Equipment

- \* IPC620 PLC
- \* PC or Laptop
- \* Simulator

*Solutions, Not Courses.*