DCI Server

On-line Robot Communication Software

Key Benefits

On-line robot communication server to exchange robot programs and variables with the controller

Expand programming capacity of robot controller by storing files on PC

Ability to create application to manipulate data for the controller

Compatibility

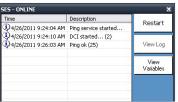DX200 controller

DX100 controller

FS100 controller

NX100 controller

Requirements

Windows® XP or Windows 7

- On-line communications protocol that enables user to upload and download robot programs and variables.

- Jobs written and executed in the robot controller initiate the transfer when the INFORM control instructions LoadV, LoadJ, SaveV, and SaveJ commands are executed. In this configuration, the robot controller commands the communications link.

- The robot controller uses the PC to store supplementary jobs and variables. It also uses the variables to interact with robot programs.

- DCI Server can communicate with multiple robot controllers connected to a network.

- Communication between the controller and the PC is through an Ethernet connection.

- Built-in variable editor allows modification of robot variables without removing robot from production cycle.

- Ability to perform "on-the-fly" programming and editing keeps production moving and dramatically reduces system downtime.

- Variables may be attached to user-defined labels that make them more recognizable with DCI Server.

  Example: B(1) might be named Next Robot Job, while P(1) might be named Box Corner. These labels are assigned once, saved and reused by simply opening the proper variable file, per the label.

- Editor can modify all five types of robot variables:
  - byte (B)
  - integer (I)
  - real (R)
  - double precision (D)
  - position (P)

- XML standard file format allows flexibility of programming and interaction of data with other off-the-shelf software packages such as soft PLCs, editors and HMIs.