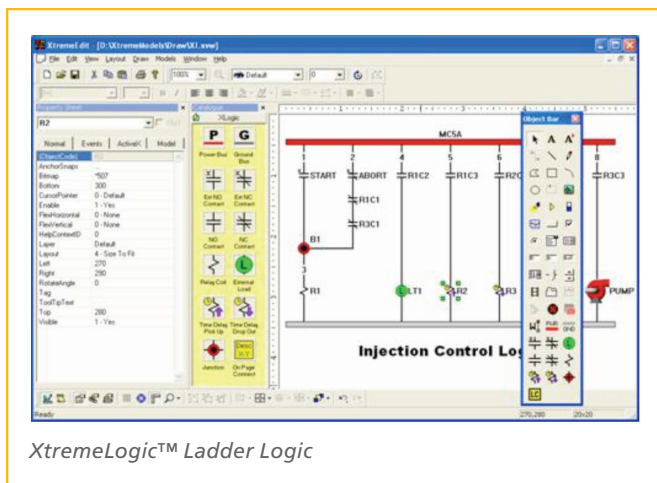




XtremeLogic™ Schematic Logic Modeling Software

In the production of real-time simulation codes, the development and testing of mathematical models of logic networks is a time consuming process. XtremeLogic is a design tool that will minimize the engineering effort and improve the quality of the mathematical models produced by the simulation engineers. The XtremeLogic software package will enhance productivity by allowing engineers to easily model a schematic (ladder) logic model. A summary of XtremeLogic modeling objects is provided in Table 1.



XtremeLogic™ Ladder Logic

Object	Usage
Wire	Connect other XLogic™ components and supply continuity path
Power Bus	Power source for logic circuitry
Ground Bus	Power sink for logic circuitry
Normally Open External Contact	Normally open contact controlled by logic value external to local XLogic™ model (i.e. panel I/O)
Normally Closed External Contact	Normally closed contact controlled by logic value external to local XLogic™ model (i.e. panel I/O)
Normally Open Contact	Normally open contact controlled by relay internal to current XLogic™ model
Normally Closed Contact	Normally closed contact controlled by relay internal to current XLogic™ model
External Load	Logic value representing calculated state of some external load (i.e. panel light)
Relay Coil	Relay coil that controls other contacts in the model
Time Delay Pick Up Relay Coil	Relay coil with settable time delay between receipt of close signal and activation of associated contacts
Time Delay Drop Out Relay Coil	Relay coil with settable time delay between loss of close signal and deactivation of associated contacts
Branch	Provides method of “splitting” current path into multiple wires or “combining” multiple currents paths into a single wire
XLogic™ On Page Connector	Allows continuation of wire to remote location of drawing without having a line between the two locations
Dynamic Logic Object	Allows users to interface custom logic objects to XtremeLogic objects

Table 1



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