

ABB Low Voltage Drives Add-On Instructions & User Defined Data Types For Logix5000 Controllers

Universal Connectivity – Simplifying ABB drive commissioning and connectivity to ControlNet™ and EtherNet/IP™ networks



ABB Low Voltage Drives library of User Defined Data Types (UDT) and the Add-On Instruction (AOI) reduces development time when configuring and commissioning ABB Low Voltage Drives on a ControlNet or EtherNet/IP network.

Using RSLogix™5000 version 16 or later the ABB User Defined Data Type and Add-On Instruction can easily be imported into the PLC program. This simplifies the task of commissioning the drive for EtherNet/IP and ControlNet networks by eliminating the task to manually enter the tag descriptions.

The User Defined Data Type defines the tag descriptions such as; control word, status word, references and actual speed & torque. It also provides a user friendly interface to enter installation specific tag descriptions into the dynamic datasets supported by ABB low voltage AC and DC drives.

Once the ABB Add-On Instruction is imported into a project, it will behave in the same manner as the built-in instructions already in the Logix5000 controllers. It will map the ControlNet or EtherNet/IP module to the User Defined Data Type providing a seamless and simplified connection to the network.

Benefits

- Pre-defined tag descriptions and data types reduce development time and simplifies diagnostics
- Diminished commissioning cost
- PLC code commonality regardless of programmer
- Easily rename tag description to an installation specific name
- Copy and paste Add-On Instruction for additional drives
- Re-use the same User Defined Data Type for duplicate drives
- Flexibility and versatility of ABB drives connected to ControlNet and EtherNet/IP networks.

Supported Drives

- ACS350
- ACH550
- ACS550
- ACS800
- ACS850
- ACSM1
- DCS800

Supported Profile Types

- ABB Drives
- ODVA
- Transparent

The Programming Environment

The User Defined Data Types and Add-On Instructions are easily imported into the Logix5000 programming environment. The Add-On Instruction will appear in the language element toolbar under the Add On tab. Then the ABB Add-On Instructions can be inserted into the PLC program in the same manner as the built-in instructions already in the Logix5000 controllers. The User Defined Data Type will appear as a new data type similar to an INT or BOOL that is built-in to the Logix5000 programming

environment. Then the imported User Defined Data Types can be assigned to a controller tag providing BOOL definitions of the ABB control and status words and integer or double integer definitions of speed/torque references, actual speed/torque and any required additional datasets can be defined by the programmer.

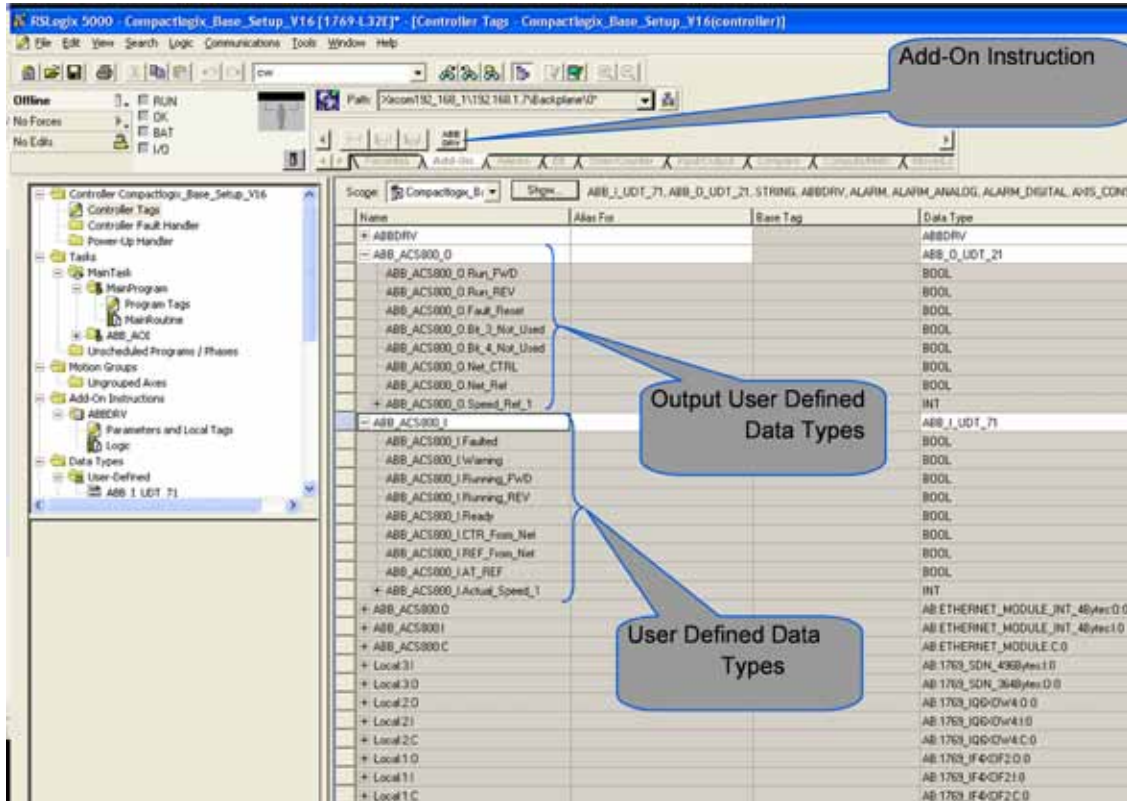


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