



Allen-Bradley

Barrel Temperature Control Module

1746-BTM

User Manual

Rockwell
Automation

Using This Manual

This manual shows you how to use the Barrel Temperature Control Module (cat. no. 1746-BTM) in an Allen-Bradley SLC system for barrel temperature control and other injection molding or extrusion related temperature control applications. The manual explains how to install, program, calibrate, and troubleshoot the BTM module.

ATTENTION



Use the 1746-BTM module in a local I/O chassis only for barrel temperature control of injection molding applications or extruders. Any other applications are not supported.

Audience

You must be able to program and operate an Allen-Bradley SLC programmable controller to make efficient use of this module. In particular, you must know how to configure M0 and M1 files. For more information, see the appropriate SLC programming manual before you generate a program for this module.

System Compatibility

System compatibility involves data table use as well as compatibility with a local I/O chassis and SLC processor.

Data Table

Communication between the module and processor is bi-directional. The processor transfers output data through the output image table to the BTM module and transfers input data from the BTM module through the input image table. The BTM module also requires M files for configuration and calibration values.

I/O Chassis

You can use this module with 1746-A4, -A7, -A10, -or -A13 chassis, provided there is an SLC controller in the chassis (local system). You can place the BTM module in any I/O slot except for the first slot which is reserved for the processor.

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