

Introduction

Follow the guidance provided by this technical bulletin when adding I/O and programming to an AFMS.

Applicable KMC AFMS controllers:

- BAC-5901C-AFMS
- BAC-5901CE-AFMS

Requirements for Additional I/O

The AFMS controller's inputs and outputs must remain in the factory-supplied configuration.

If additional inputs and outputs are needed for custom programming:

1. Install at least one **CAN-5900 Series** I/O expansion module.

Note: For more information, see the *CAN-5900 Series I/O Expansion Module* data sheet and installation guide.

2. Using KMC Connect, KMC Converge, or KMC TotalControl, in the connected AFMS controller, create and configure:

- Input objects 11 and greater (as needed)
- Output objects 9 and greater (as needed)

Note: For more information, see the documents or help systems for the respective KMC software tool.

Starting Points for Additional Programming

To prevent custom programming from overwriting the AFMS controller's stock programming:

- Use programs 3 and greater for custom programs.
- Use AV101 and greater for additional analog values.
- Use BV31 and greater for additional binary values.
- Use MSV6 and greater for additional multi-state values.



BAC-5901C-AFMS



BAC-5901CE-AFMS



CAN-5901 I/O expansion module
8 universal inputs, 8 universal outputs



CAN-5902 input expansion module
16 universal inputs, no outputs