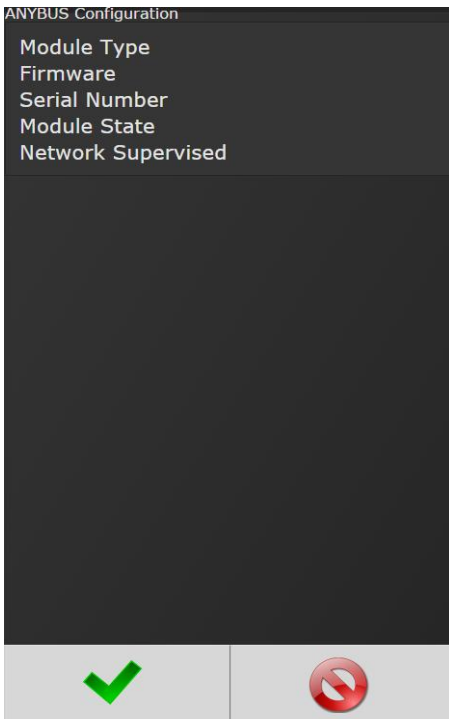# Using an AIMCO Gen IV Controller with Anybus

Using the Touch Screen or System Port, navigate to Controller→Communication Interfaces→Anybus

Node Address: Configures the Anybus node address for controller.

- Profibus
- Profinet
- CC-Link
- Device Net

DeviceNet is one of three open network standards (DeviceNet, ControlNet and EtherNet/IP), all of which use a common application layer, the "Common Industrial Protocol" (CIP). DeviceNet covers the main part of the applications where small to medium amount of data with short to medium cycle times (1ms to 500ms) can be exchanged in the network.

CC-Link is a Fieldbus network that processes both cyclic I/O data and acyclic parameter data at high speed. CC-Link was developed by Mitsubishi and today, it is managed by the CC-Link Partner Association (CLPA). CC-Link is a very popular network in Asia.

CC-Link is a Fieldbus for high-speed communication between controllers and intelligent field devices like I/Os, sensors and actuators. In networks with up to 65 stations.

PROFIBUS is the leading industrial communication system for manufacturing automation in Europe with strong growth in many other markets. PROFIBUS is supported by Siemens and is promoted by the PROFIBUS User Organization. Profibus products are certified by the PROFIBUS User Organization (PNO), guaranteeing worldwide compatibility.

Profibus DP

The AcraDyne controller supports Profibus on the generic Anybus module. The controller can accept messages from a Profibus Client and return responses to the Client.

Supported Features:
The Anybus module supports the Profibus DP-V1 protocol. The DP-V1 is a communication protocol for acyclic data exchange and alarm handling. Profibus DP defines a network as masters and slaves based on their functionality. The ACRADYNE controller is considered a slave device with inputs and outputs.
The Profibus Inputs and Outputs are addressed as:
- Input 1 byte – 8 bits
- Input 1 word – 16 bits
- Input 2 words – 32 bits
- Input 4 words – 64 bits (Currently not used)
- Output 1 byte – 8 bits
- Output 1 word – 16 bits
- Output 2 words – 32 bits
- Output 4 words – 64 bits (Currently not used)