BACnet Solutions for KEP Flow Computers

Kessler-Ellis Products offers two BACnet Communications Protocols BACnet MS/TP and BACnet IP

BACnet MSTP Solution-1

BACnet MS/TP is accomplished using the KEP Supertrol family of Flow Computers with MODBus RTU communications and the BB2-3010 MODBus RTU / BACnet MS/TP Gateway.
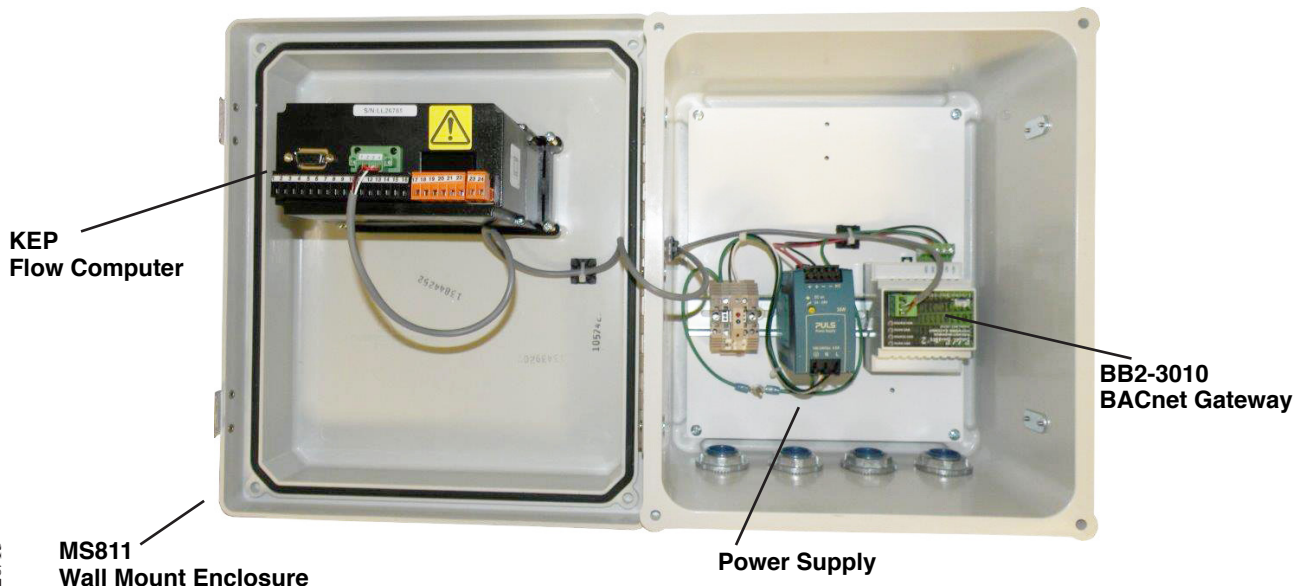
KEP has developed an assembly focusing on the Babel Buster BB2-3010 DIN Rail mounted BACnet Network gateway. The BB2-3010 is a BACnet MS/TP client/server device that functions as a MODBus RTU master/slave. The BB2-3010 will support all standard MODbus register types.

KEP, for the BACnet assembly, will mount a SuperTrol series with MODBus communications and Terminal Board MODbus connection into a wall mount enclosure. The wall mount enclosure will be supplied with a sub panel, DIN Rail, power terminal block and a DC Power supply. KEP will prewire the BB2-3010 for power and MODBus communications   KEP will also preprogram the BB2-3010 to map all of the floating point MODbus registers and verify operation.

The client will only have to wire to the BB2-3010 with their RS485 3 wire connection (Net +, Net - , GND).

KEP will require the client to supply the following for the BB2-3010:
 • Device Instance of the BACnet Device (Default is 1)
 • Name of the BACnet Device (if Necessary)
 • Baud Rate between their BACnet server and BB2-3010 (Default is 9600 Baud)

KEP Flow Computer

BB2-3010 BACnet Gateway

MS811 Wall Mount Enclosure

Power Supply

KESSLER-ELLIS PRODUCTS 10 Industrial Way East, Eatontown, NJ 07724
800-631-2165 • 732-935-1320 • Fax 732-935-9344 • **http://www.kep.com**

BACnet IP Solution-2

For applications requiring BACnet over ethernet, KEP has developed an assembly focusing on the RTA 460MMBS DIN Rail mounted BACnet IP Network gateway. The 460MMBS is a BACnet IP client/server device that functions as a MODBus RTU master/slave. The 460MMBS will be preprogrammed by KEP to map all floating point registers. The client will need to assign an IP Address and supply an RJ45 Jack connection.

The BACnet server IP address is programmed from a web page from any server. The client will enter the individual IP address assigned to the 460MMBS as well as the Network Mask. The remainder of the programming has been completed by KEP and the unit should be ready to go.

KEP will DIN rail mount and prewire the BACnet gateway with Power Supply for ease of client use.

Easy Setup:

ONE, Start by opening the web page for the device from any browser. All you need to do is simply enter your IP and Gateway Addresses and set your network mask.

TWO, Edit your communication modules. Configure your device object properties like Modbus Timeout, Modbus Delay, Device Name, Analog Input and Output, and Binary Input and Output.

THREE, View the summary list of Modbus registers supported by the device. And You're Done!

KEP Flow Computer

460MMBS MODBus/BACnet Converter

MS799 Wall Mount Enclosure

Power Supply
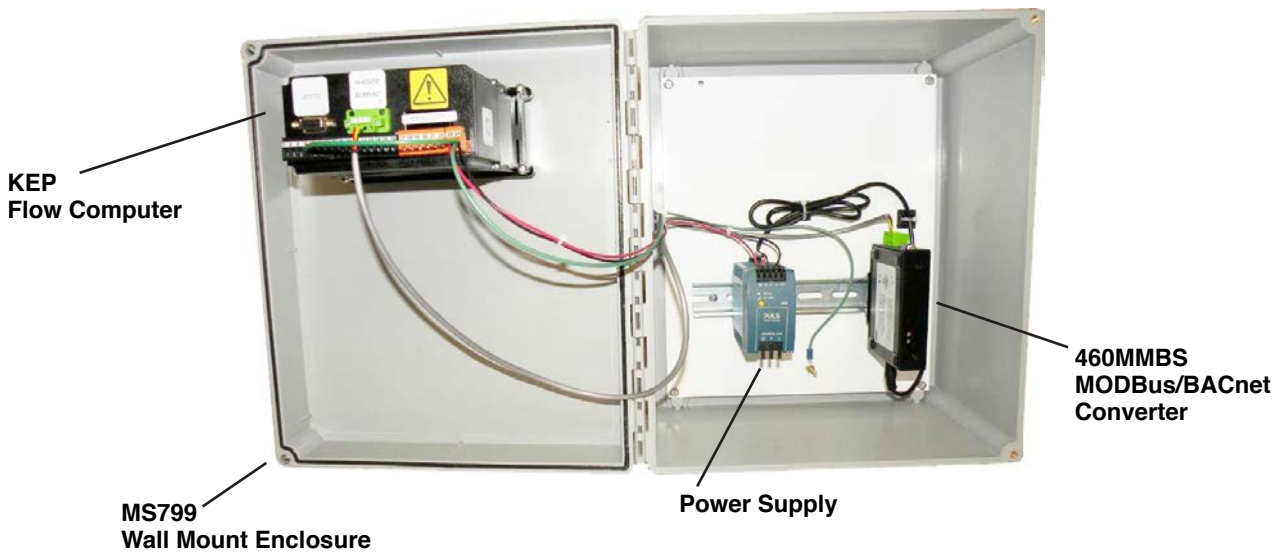
How It Works:

The products in the Instant Device Converter product line contain a IEC standard control engine that moves your data from buffer to buffer. Input data from one network is moved to the output buffer of one or more other networks. Input data from those networks is moved to the output area of the other networks.
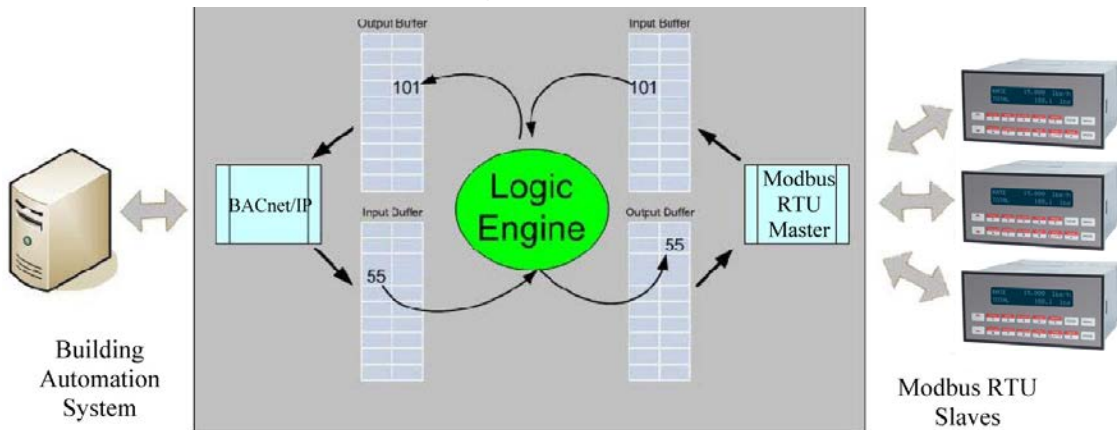
Using an off-the-shelf, standard control engine for the transfer of data. Means that we can easily customized the software to meet your specific application requirements.