

# Modbus Template Creator Tool for B6130

- Create a new template instantly
- Field deploy constructed templates without tools
- Simple to use
- Single Windows tool for creating templates
- Monolithic—not modular design
- BACnet choices are down to simple most interoperable constructs
- All data conversions and algorithms are available on drop downs
- All BACnet units available

## PRODUCT INFORMATION

Modbus Template Creator tool comes together with B6130, with provides an interface—for BACnet/IP to 2 Modbus Devices. The tool is used to map Modbus registers to BACnet objects and save the map file as a template. The template can be loaded into B6130, making Modbus data visible in BACnet.

The tool includes template examples to give a first time user a sense of best practices when choosing names, units and descriptions.

The user can choose **Name**, **Data Type** and **Units Name** from a pull down menu. All the suggested names and types have best practice BACnet name conventions.

Modbus object dialog box showing fields for Name, Starting register, Data Type, Units, Units name, Scale, and Description. A list of BACnet objects is visible in the Name field, and a list of Modbus registers is visible in the Starting register field. The Units code is set to 95.

Mapping Modbus registry to BACnet example



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Name	Start register	Data type	Units	Scale	Description	VIP
PWR_ELEC_APPAR	43901	Float 32-bit, LSW first	vol-ampere	1.000000	Apparent Power/avg	
PWR_ELEC_REACT	43905	Float 32-bit, LSW first	vol-ampere-reactive	1.000000	Reactive Power/avg	Y
PWR_FACTOR	43907	Float 32-bit, LSW first	no-units	1.000000	Avg PF	Y
VOLTAGE_LL	43909	Float 32-bit, LSW first	volts	1.000000	Line-to-Line avg Voltage	
VOLTAGE_LN	43911	Float 32-bit, LSW first	volts	1.000000	Line to Neutral Voltage	
CURRENT_LN	43913	Float 32-bit, LSW first	ampere	1.000000	Avg Current	
FREQUENCY	43915	Float 32-bit, LSW first	hertz	1.000000	Frequency	
PWR_ELEC_APPAR-A	43917	Float 32-bit, LSW first	vol-ampere	1.000000	R-phase Apparent Power	
PWR_ELEC-A	43919	Float 32-bit, LSW first	volts	1.000000	R-phase Active Power	
PWR_ELEC_REACT-A	43921	Float 32-bit, LSW first	vol-ampere-reactive	1.000000	R-phase Reactive Power	
PWR_FACTOR-A	43923	Float 32-bit, LSW first	no-units	1.000000	R-phase PF	
VOLTAGE_LL-AB	43925	Float 32-bit, LSW first	volts	1.000000	R-Y phase Voltage	
VOLTAGE_LN-A	43927	Float 32-bit, LSW first	volts	1.000000	R-phase to Neutral Voltage	
CURRENT_LN-A	43929	Float 32-bit, LSW first	ampere	1.000000	R-phase Current	
PWR_ELEC_APPAR-B	43931	Float 32-bit, LSW first	vol-ampere	1.000000	Y-phase Apparent Power	
PWR_ELEC-B	43933	Float 32-bit, LSW first	volts	1.000000	Y-phase Active Power	
PWR_ELEC_REACT-B	43935	Float 32-bit, LSW first	vol-ampere-reactive	1.000000	Y-phase Reactive Power	
PWR_FACTOR-B	43937	Float 32-bit, LSW first	no-units	1.000000	Y-phase PF	
VOLTAGE_LL-BC	43939	Float 32-bit, LSW first	volts	1.000000	Y-B phase Voltage	

## BACnet SUPPORT

ASHRAE BACnet 2008 specification

## BACnet BIBB SUPPORT

DS-RP-A, DS-RPM-A, DS-WP-A, DM-DDB-A, SCHED-A

## OPERATING SYSTEMS

32 and 64 bit platforms, Windows XP, Windows Vista, Windows 7, Windows Server 2008, Windows Server 2008R2

## DOCUMENTATION

User Manual

## PRODUCT SUPPORT

One year of telephone & email support.

## ORDERING INFORMATION

B6130 - BACnet/IP to 2 Modbus devices (Modbus Template Creator Tool is included and is not sold separately)

