



GE Power Management Control System



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Technical Note #45

GE Power Management Control System

Integrating Cutler Hammer Devices with PMCS Software

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Subject: Frequently Asked Questions on Integrating Cutler Hammer Devices with PMCS Software

Applies To: PMCS 5.1

Q. PMCS can communicate with Modbus Devices, do Cutler Hammer Devices talk Modbus?

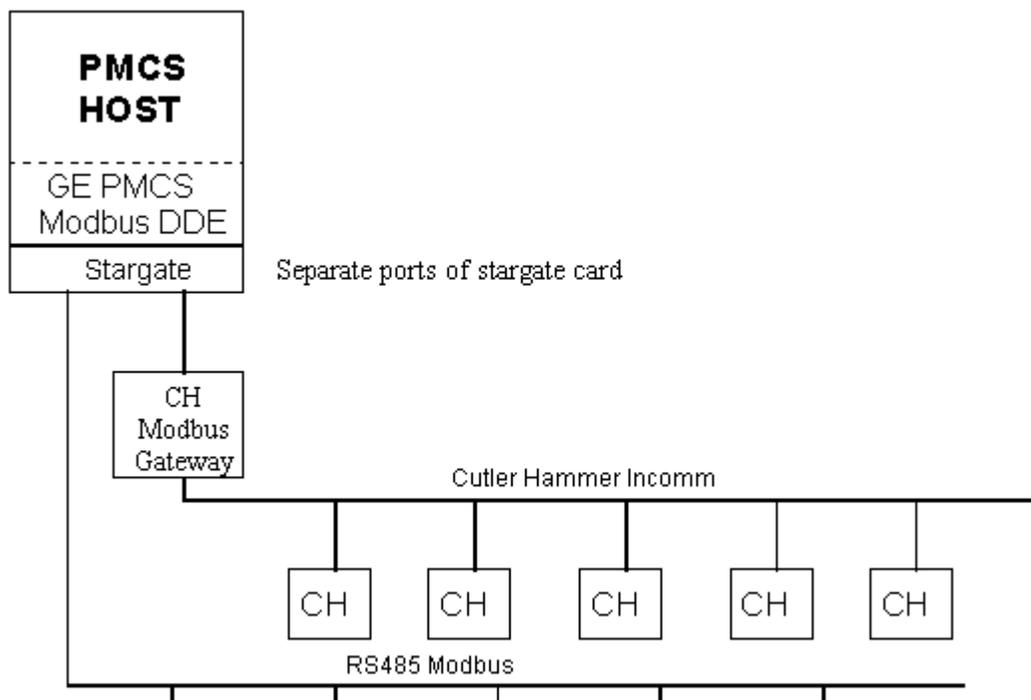
A. Not directly. Cutler Hammer device talk a protocol called INCOMM which is proprietary to Cutler Hammer. Cutler Hammer offers a device called an IMPACC-Modbus Gateway (MODGATE) which will convert device data to Modbus.

Q. How does the GE PMCS software communicate with Cutler Hammer and Westinghouse devices.

A. The GE PMCS software is based on Wonderware Intouch. Communications with devices is using a DDE server. The GE DDE server can communicate with generic modbus devices. The Cutler Hammer IMPACC-Modbus Gateway (MODGATE) would be treated as a Modbus Device.

Q. What would a network with both GE and Cutler Hammer devices look like?

A. A block diagram is shown below:



Q. What Cutler Hammer devices can be used with the MODGATE.

A. In general, if a device can communicate to an IMPACC system through a PONI module it will work with the MODGATE. Refer to the MODGATE manual (IL 17545) for full version and compatibility information.

Q. What steps must be taken to configure PMCS to talk with the IMPACC MODGATE.

A. The MODGATE must be setup to tell it what Cutler Hammer devices are present, how they are addressed, what data is desired, and how that data will be read by PMCS. The PMCS DDE server must be told what data it will be reading. Any screens needed to display information must be created in the Intouch application.

Q. What data and features of the Cutler Hammer devices are supported?

A. For a full description refer to the Cutler Hammer MODGATE Manual (IL 17545). In general, all metering data is supported.

Q. Does Cutler Hammer support Intouch? Can I use their DDE support?

A. The DDE support offered by Cutler Hammer is not compatible with Microsoft NT. Therefore it can not be used with the NT based GE PMCS system.

Q. Who do I contact for more information?

A. Power Leader Marketing in Plainville has additional information. Burlington can provide quote and job assistance.

Keywords

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