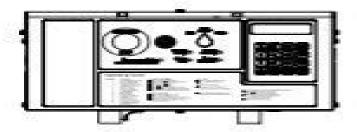
GENERATOR ACCESSORIES

KOHLER.POWER SYSTEMS

Decision-Maker [™] 550 Communications





Controller Communications

Applicable to all generator sets using the Kohler* Decision Maker* 550 Controller.

The Decision-Maker* S50 controller supports different communication protocots in a variety of ways to enhance power system monitoring and control. Coded messages specific to the communication protocol are transported through hardwise connections.

- KBUS, a Kohler progrietary protocol
 - Provides communication between a Decision-Maker 7 550 controller and a personal computer running Monitor II software.
 - Monitor II software is used to monitor and control Kohler generator sets, transfer switches, and power monitors. Refer to 06.38, Monitor II Software spec sheet.
 - More information about KBUS protocol is available upon request from Kohler Co.
- Modbus*, an industry standard open protocol
 - Modbus* pestoos provides communication between the 550 controller and a marker device.
 - Master devices may include a personal computer or a third-party controller.
 - A software driver is required by the Modbus" master device.
 Flatter to TF 4013. Modbus" Communications Protocol Operation Manual for the Decision Maker " 550 Controller.

Communications Features

- Supports industry-standard Modbus* RTU protocol
- Uses either an RS-232 or RS-485 network port
- Communicates at bood rates up to 19200.
- Shares a network with up to 129 devices.
- Allows selection of an access code for remote programming.
- Remotely monitors system operation including run times, shutdowns, warnings, and input/output activity
- Allows selection of either metric (SI) or English (IP) units.
- Provides more than 100 different Modbias* message codes for system monitoring, including System Ready and Generalor Flurring
- Provides remate programming of most system parameters including time delays, trip points, voltage, frequency, and current
- Allows remote engine startistop and controller reset

Decision Maker 550 Controller User Manual

Michael Schulte-Mecklenbeck, Anton Kuehberger, Joseph G. Johnson

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