Binary Data Stream Acquisition

After the external device retrieves the configuration information, the device can acquire data using Fast Meter request commands. Each response includes the information to calculate instantaneous metering values and a status flag byte. In a typical application, the device requests the regular Fast Meter packet every second to retrieve a snapshot of line quantities. The device checks the status flag byte to determine if a special message sequence is needed. Other messages provide peak or demand metering data.

Binary Data Stream Message List

Request to Relay (Hex)	Response From Relay
A5C0	The relay definition block.
A5C1	A configuration block for regular Fast Meter command if available.
A5C2	A configuration block for demand Fast Meter if available.
A5C3	A configuration block for peak demand Fast Meter if available.
A5CE	A configuration block for Fast Operate if available.
A5CF	Alternate configuration block for Fast Operate if available.
A5DC	One of the old standard Fast Meter blocks if available.
A5DA	One of the old extended Fast Meter blocks if available.
A5D1	Regular Fast Meter defined by configuration block.
A5D2	Demand Fast Meter defined by configuration block.
A5D3	Peak demand Fast Meter defined by configuration block.
A5E0	Fast Operate command for remote bit operation.
A5E3	Fast Operate command for breaker operation.
A5E5	Fast Operate OPEN Command.
A5E6	Fast Operate CLOSE Command.
A5E7	Fast Operate SET Command.
A5E8	Fast Operate CLEAR Command.
A5E9	Fast Operate PULSE Command.
A5B2	Oldest unacknowledged event report packet.
A5B5	Acknowledge event report most recently sent.
A5B9	Clear status bits: power-up, setting change.
A560	Most recent event report packet.
A561–A56C	A561 is previous event report, 6C is 12th oldest event report.
A56D–A59F	Reserved for relays that save up to 64 event reports.

ASCII Data Stream Messages Used for Configuration (see Binary Command Descriptions)

Request to Relay (ASCII)	Response From Relay
ID <CR>	ASCII FID and TRMID Strings. <CR> indicates the carriage return character code.
ENA <CR>	ASCII Names of Short Event Packet Data.
DNA <CR>	ASCII Names of Digital I/O.
BNA <CR>	ASCII Names of Status Bits.