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T24 POS Interface Protocol settings

Gilbarco T24 Emulation POS Interface Protocol

Field	Number of characters	Data type
Start-of-message	1	Binary 2
Pump number	2	ASCII
Product	1	ASCII
Dollars	5	ASCII
Litres	5	ASCII
Price	4	ASCII
End-of-message	1	Binary 3
Checksum	1	Binary
Acknowledgement	1	Binary 6

All ASCII fields are most-significant-digit first.

Checksum = exclusive-or of all characters in message excluding start-of-message.

Controller retries up to 5 times. Each time it waits 500 ms for an acknowledgement from POS.

Serial data format is 4800bd, 7 bits, Even parity, One stop bit.