

CECOD List of most commonly known protocols (informative). Updated on 11/04/2014

Warning: this is only informative, and is not to infringe on intellectual property of owner of protocol(s).

Latest changes are **in yellow**

<i>Name of protocol</i>	<i>Owner</i>	<i>Type of data/flow control</i>
IFSF/LON	Community	-CRC16 checking
IFSF/ TCP/IP	Community	-CRC16 checking and TCP/IP controls
TOKHEIM / UDC	Tokheim	-Double Talk = every character is transmitted twice: normal / inverted
GILBARCO 2 WIRE	GVR	-Parity checking -LRC: Longitudinal Redundancy
PUMALAN (known also as LOGITRON)	GVR	-Parity checking -bcc: block check character = exclusive OR of all data characters
NUOVO PIGNONE	Wayne	-Parity checking -Data characters are transmitted twice: normal / inverted
EIN	Tokheim	-Parity checking, LRC: Longitudinal Redundancy Check character = exclusive OR of all data characters
M3000	Tokheim	-Parity checking -CRC16: Cyclic redundancy check word
82D	Tokheim	-Parity checking, LRC: Longitudinal Redundancy Check character = sum of all data characters
ZSR	Tokheim	-LRC: Longitudinal Redundancy Check character = sum of all data characters
DUNCLARE	Tokheim	-Parity checking -bcc: block check character = exclusive OR of all data characters
EPS	Tokheim	-Parity checking -BCC: Block Check Character = sum of all data characters
AUTOTANK	GVR	-Parity checking -CRC16: Cyclic redundancy check word
DRESSER (also called «DART»)	Wayne	-Parity checking -CRC16: Cyclic redundancy check word
FERRANTI	Wayne	-Parity checking -BCC: Block Check Character = sum of all data characters
TATSUNO/METAX	Tatsuno	-Parity checking, LRC: Longitudinal Redundancy Check character = exclusive OR of all data characters
Scheidt&Bachmann V11	S&B	-Parity checking of each Byte, LRC: Longitudinal Redundancy Check character = exclusive OR of all data characters
Scheidt&Bachmann T02 (see ER3)	S&B	-Data character is transmitted in special bit format: D (not)D C (not)C B (not)B A (not)A
KIENZLE ER3	Hectronic	-Data character is transmitted in special bit format: D (not)D C (not)C B (not)B A (not)A
PETROTEC	Petrotec	-Parity checking , BCC: Block Check Character = exclusive OR of all data characters and message length verification
HDX	Petrotec	-Parity checking, LRC: Longitudinal Redundancy Check character = exclusive OR of all data characters and field identifiers inside message

Comment:

- Protocols define both software logic and hardware interface
- The combination of both software and hardware is the corner stone protecting the communication link between SSD and Dispensers from EMC disturbances