IntelliTrol 1.7.0

11/04/2019

Modbus Commands

|  |  |
| --- | --- |
| Command | Description |
| 0x01 | READ OUTPUT STATUS |
| 0x02 | READ INPUT STATUS |
| 0x03 | READ MULTIPLE REGISTERS |
| 0x05 | FORCE SINGLE BIT |
| 0x06 | WRITE SINGLE REGISTER |
| 0x10 | WRITE MULTIPLE REGISTERS |
| 0x41 | WRITE SINGLE VEHICLE |
| 0x42 | READ SINGLE VEHICLE |
| 0x43 | READ VIP LOG |
| 0x44 | WRITE PASSWORD |
| 0x45 | WRITE COMPANY ID |
| 0x46 | WRITE MULTIPLE VEHICLES |
| 0x47 | READ MULTIPLE VEHICLES |
| 0x48 | BACKUP FUNCTIONS |
| 0x49 | READ TRL LOG |
| 0x4A | CRC MULTIPLE VEHICLES |
| 0x4B | WRITE BYPASS KEYS |
| 0x4C | READ BYPASS KEYS |
| 0x4D | WRITE FEATURES PASSWORD |
| 0x4E | READ EE BLOCK |
| 0x4F | WRITE EE BLOCK |
| 0x50 | REPORT COMPARTMENT VOLUME |
| 0x51 | READ TIM SCULLY AREA |
| 0x52 | WRITE TIM SCULLY AREA |
| 0x53 | READ BUILDER INFO |
| 0x54 | WRITE BUILDER INFO |
| 0x55 | READ THIRD PARTY |
| 0x56 | WRITE THIRD PARTY |
| 0x57 | READ BUILDER AREA |
| 0x58 | WRITE BUILDER AREA |
| 0x59 | INSERT VEHICLE |
| 0x5A | REMOVE VEHICLE |
| 0x5B | READ NUM PROBES |
| 0x5C | USE UPDATED ADC TABLE |
| 0x5D | GET CURRENT ADC TABLE |

Modbus Error codes

|  |  |
| --- | --- |
| Value | Description |
| 0x00 | OK |
| 0x01 | EXC ILL FUNC |
| 0x02 | EXC ILL ADDR |
| 0x03 | EXC ILL DATA |
| 0x04 | EXC FAULT |
| 0x05 | EXC ACK |
| 0x06 | EXC BUSY |
| 0x07 | EXC NAK |
| 0x08 | EXC MEM PAR ERR |
| 0x09 | EXC TIM CMD ERR |
| 0x0A | EXC TIM FAMILY ERR |
| 0x0B | EXC TIM NOT VALID ERR |
| 0x0C | EXC NUMBER COMPARTMENTS ERR |
| 0x0D | SPI FAMILY ERR |
| 0x0E | SPI WRITE ERR |
| 0x0F | SPI READ ERR |
| 0x10 | EXC TIM MEM AREA ERR |
| 0x11 | WRITE TO SCRATCHPAD ERR |
| 0x12 | VERIFY SCRATCHPAD ERR |
| 0x13 | COPY SCRATCHPAD ERR |
| 0x14 | EXC TIM ENTRY NOT VALID ERR |
| 0x15 | READ SERIAL ERROR |
| 0x16 | MALLOC ERROR |
| 0x17 | I2C ERROR |
| 0x18 | READ CLOCK ERROR |
| 0x19 | READ ONLY VALUE |
| 0x80 | NO RESPONSE |

Modbus Subcommands

|  |  |  |
| --- | --- | --- |
| 0x05: FORCE SINGLE BIT | | |
| Value | Description | Force bits |
| 0x0000 | Forced Shutdown | 0000 / FF00 |
| 0x0002 | Recover (clear Shutdown) | FF00 |
| 0x0003 | Erase Truck ID list | FF00 |
| 0x0004 | Erase Event Log | FF00 |
| 0x0006 | System ("hardware") reset | FF00 |
| 0x0008 | Force Overfill Bypass | 0000 |
| 0x0009 | Force Ground Bypass | 0000 / FF00 |
| 0x000A | Enable Ground checking | 0000 / FF00 |
| 0x000F | Enable Deadman Switch checking | 0000 |
| 0x0012 | Erase Bypass Key list | FF00 |
| 0x0013 | Re-Format/Init all EEPROM | FF00 |
| 0x0015 | Force VIP/Truck-ID Bypass | 0000 |
| 0x0016 | Enable VIP checking | 0000 |

|  |  |
| --- | --- |
| 0x4E: Read special EEPROM block / 0x4F: Write special EEPROM block | |
| Value | Description |
| 0x00 | PARM |
| 0x01 | DSTAMP |
| 0x02 | DIA5 |
| 0x03 | VOLT |
| 0x04 | SET1 |

|  |  |  |
| --- | --- | --- |
| 0x53: READ BUILDER INFO / 0x54: WRITE BUILDER INFO | | |
| Value | Description | Read / Write |
| 0x01 | CARRIER NAME | Read |
| 0x02 | CARRIER ADDRESS | Read |
| 0x03 | CONTRACT NUMBER | Read |
| 0x04 | OPPERATING SERVICE | Read |
| 0x05 | DRIVER ID | Read |
| 0x06 | ALLOWABLE VOL COMPARTMENT 1 | Read |
| 0x07 | ALLOWABLE VOLUME COMPARTMENT 2 | Read |
| 0x08 | ALLOWABLE VOLUME COMPARTMENT 3 | Read |
| 0x09 | ALLOWABLE VOLUME COMPARTMENT 4 | Read |
| 0x0A | ALLOWABLE VOLUME COMPARTMENT 5 | Read |
| 0x0B | ALLOWABLE VOLUME COMPARTMENT 6 | Read |
| 0x0C | ALLOWABLE VOLUME COMPARTMENT 7 | Read |
| 0x0D | ALLOWABLE VOLUME COMPARTMENT 8 | Read |
| 0x0E | ALLOWABLE VOLUME COMPARTMENT 9 | Read |
| 0x0F | ALLOWABLE VOLUME COMPARTMENT 10 | Read |
| 0x10 | ALLOWABLE VOLUME COMPARTMENT 11 | Read |
| 0x11 | ALLOWABLE VOLUME COMPARTMENT 12 | Read |
| 0x12 | ALLOWABLE VOLUME COMPARTMENT 13 | Read |
| 0x13 | ALLOWABLE VOLUME COMPARTMENT 14 | Read |
| 0x14 | ALLOWABLE VOLUME COMPARTMENT 15 | Read |
| 0x15 | ALLOWABLE VOLUME COMPARTMENT 16 | Read |
|  |  |  |
| 0x16 | VAP TIGHT CERTIFICATE TYPE | Read |
| 0x17 | VAP TIGHT CERTIFICATE DATE | Read |
| 0x18 | VAP TIGHT CERTIFICATE NUMBER | Read |
| 0x19 | SAFE PASS CERTIFICATE TYPE | Read |
| 0x1A | SAFE PASS CERTIFICATE DATE | Read |
| 0x1B | SAFE PASS CERTIFICATE NUMBER | Read |
| 0x1C | CERTIFICATE 3 TYPE | Read |
| 0x1D | CERTIFICATE 3 DATE | Read |
| 0x1E | CERTIFICATE 3 NUMBER | Read |
| 0x1F | CERTIFICATE 4 TYPE | Read |
| 0x20 | CERTIFICATE 4 DATE | Read |
| 0x21 | CERTIFICATE 4 NUMBER | Read |
| 0x22 | CERTIFICATE 5 TYPE | Read |
| 0x23 | CERTIFICATE 5 DATE | Read |
| 0x24 | CERTIFICATE 5 NUMBER | Read |
|  |  |  |
| 0x25 | TABLE VALID | Read |
| 0x26 | TABLE REVISION | Read |
| 0x27 | ALTERNATE TIM ID VALID | Read |
| 0x28 | ALTERNATE TIM ID | Read |
| 0x29 | NUMBER OF COMPARTMENTS | Read |
| 0x2A | COMPARTMENT VOLUME UNITS | Read |
| 0x2B | TRAILER ID NUMBER | Read |
| 0x2C | COMPARTMENT CONFIG | Read |
| 0x2D | VAPOR INTERLOCK TYPE | Read |
| 0x2E | COMPARTMENT 1 TYPES ALLOWED | Read |
| 0x2F | COMPARTMENT 2 TYPES ALLOWED | Read |
| 0x30 | COMPARTMENT 3 TYPES ALLOWED | Read |
| 0x31 | COMPARTMENT 4 TYPES ALLOWED | Read |
| 0x32 | COMPARTMENT 5 TYPES ALLOWED | Read |
| 0x33 | COMPARTMENT 6 TYPES ALLOWED | Read |
| 0x34 | COMPARTMENT 7 TYPES ALLOWED | Read |
| 0x35 | COMPARTMENT 8 TYPES ALLOWED | Read |
| 0x36 | COMPARTMENT 9 TYPES ALLOWED | Read |
| 0x37 | COMPARTMENT 10 TYPES ALLOWED | Read |
| 0x38 | COMPARTMENT 11 TYPES ALLOWED | Read |
| 0x39 | COMPARTMENT 12 TYPES ALLOWED | Read |
| 0x3A | COMPARTMENT 13 TYPES ALLOWED | Read |
| 0x3B | COMPARTMENT 14 TYPES ALLOWED | Read |
| 0x3C | COMPARTMENT 15 TYPES ALLOWED | Read |
| 0x3D | COMPARTMENT 16 TYPES ALLOWED | Read |
| 0x3E | MAX LOADING TEMPERATURE | Read |
| 0x3F | TEMPERATURE UNITS | Read |
|  |  |  |
| 0x40 | COMPARTMENT 1 TYPE LOADED | Read / Write |
| 0x41 | COMPARTMENT 1 BATCH ID LOADED | Read / Write |
| 0x42 | COMPARTMENT 1 VOLUME LOADED | Read / Write |
| 0x43 | COMPARTMENT 2 TYPE LOADED | Read / Write |
| 0x44 | COMPARTMENT 2 BATCH ID LOADED | Read / Write |
| 0x45 | COMPARTMENT 2 VOLUME LOADED | Read / Write |
| 0x46 | COMPARTMENT 3 TYPE LOADED | Read / Write |
| 0x47 | COMPARTMENT 3 BATCH ID LOADED | Read / Write |
| 0x48 | COMPARTMENT 3 VOLUME LOADED | Read / Write |
| 0x49 | COMPARTMENT 4 TYPE LOADED | Read / Write |
| 0x4A | COMPARTMENT 4 BATCH ID LOADED | Read / Write |
| 0x4B | COMPARTMENT 4 VOLUME LOADED | Read / Write |
| 0x4C | COMPARTMENT 5 TYPE LOADED | Read / Write |
| 0x4D | COMPARTMENT 5 BATCH ID LOADED | Read / Write |
| 0x4E | COMPARTMENT 5 VOLUME LOADED | Read / Write |
| 0x4F | COMPARTMENT 6 TYPE LOADED | Read / Write |
| 0x50 | COMPARTMENT 6 BATCH ID LOADED | Read / Write |
| 0x51 | COMPARTMENT 6 VOLUME LOADED | Read / Write |
| 0x52 | COMPARTMENT 7 TYPE LOADED | Read / Write |
| 0x53 | COMPARTMENT 7 BATCH ID LOADED | Read / Write |
| 0x54 | COMPARTMENT 7 VOLUME LOADED | Read / Write |
| 0x55 | COMPARTMENT 8 TYPE LOADED | Read / Write |
| 0x56 | COMPARTMENT 8 BATCH ID LOADED | Read / Write |
| 0x57 | COMPARTMENT 8 VOLUME LOADED | Read / Write |
| 0x58 | COMPARTMENT 9 TYPE LOADED | Read / Write |
| 0x59 | COMPARTMENT 9 BATCH ID LOADED | Read / Write |
| 0x5A | COMPARTMENT 9 VOLUME LOADED | Read / Write |
| 0x5B | COMPARTMENT 10 TYPE LOADED | Read / Write |
| 0x5C | COMPARTMENT 10 BATCH ID LOADED | Read / Write |
| 0x5D | COMPARTMENT 10 VOLUME LOADED | Read / Write |
| 0x5E | COMPARTMENT 11 TYPE LOADED | Read / Write |
| 0x5F | COMPARTMENT 11 BATCH ID LOADED | Read / Write |
| 0x60 | COMPARTMENT 11 VOLUME LOADED | Read / Write |
| 0x61 | COMPARTMENT 12 TYPE LOADED | Read / Write |
| 0x62 | COMPARTMENT 12 BATCH ID LOADED | Read / Write |
| 0x63 | COMPARTMENT 12 VOLUME LOADED | Read / Write |
| 0x64 | COMPARTMENT 13 TYPE LOADED | Read / Write |
| 0x65 | COMPARTMENT 13 BATCH ID LOADED | Read / Write |
| 0x66 | COMPARTMENT 13 VOLUME LOADED | Read / Write |
| 0x67 | COMPARTMENT 14 TYPE LOADED | Read / Write |
| 0x68 | COMPARTMENT 14 BATCH ID LOADED | Read / Write |
| 0x69 | COMPARTMENT 14 VOLUME LOADED | Read / Write |
| 0x6A | COMPARTMENT 15 TYPE LOADED | Read / Write |
| 0x6B | COMPARTMENT 15 BATCH ID LOADED | Read / Write |
| 0x6C | COMPARTMENT 15 VOLUME LOADED | Read / Write |
| 0x6D | COMPARTMENT 16 TYPE LOADED | Read / Write |
| 0x6E | COMPARTMENT 16 BATCH ID LOADED | Read / Write |
| 0x6F | COMPARTMENT 16 VOLUME LOADED | Read / Write |
| 0x70 | TERMINAL NAME | Read / Write |
| 0x71 | TERMINAL ADDRESS | Read / Write |
| 0x72 | TERMINAL GANTRY NUMBER | Read / Write |
|  |  |  |
| 0x73 | FAULT LOG 1 | Read |
| 0x74 | FAULT LOG 2 | Read |
| 0x75 | FAULT LOG 3 | Read |
| 0x76 | FAULT LOG 4 | Read |
| 0x77 | FAULT LOG 5 | Read |
| 0x78 | SERVICE CENTER NAME | Read |
| 0x79 | SERVICE CENTER ADDRESS | Read |
|  |  |  |
| 0x7A | BUILDER NAME | Read |
| 0x7B | BUILDER ADDRESS | Read |
| 0x7C | TRUCK SERIAL NUMBER | Read |
| 0x7D | TRUCK VIN | Read |
| 0x7E | TRUCK BUILD DATE | Read |
| 0x7F | TRUCK WEIGHT UNITS | Read |
| 0x80 | TRUCK GROSS VEHICLE WEIGHT | Read |
| 0x81 | INTELLICHECK TYPE | Read |
| 0x82 | OVERFILL SENSOR TYPE | Read |
| 0x83 | RETAINED SENSOR TYPE | Read |
| 0x84 | COMPARTMENT 1 BUILD VOLUME | Read |
| 0x85 | COMPARTMENT 2 BUILD VOLUME | Read |
| 0x86 | COMPARTMENT 3 BUILD VOLUME | Read |
| 0x87 | COMPARTMENT 4 BUILD VOLUME | Read |
| 0x88 | COMPARTMENT 5 BUILD VOLUME | Read |
| 0x89 | COMPARTMENT 6 BUILD VOLUME | Read |
| 0x8A | COMPARTMENT 7 BUILD VOLUME | Read |
| 0x8B | COMPARTMENT 8 BUILD VOLUME | Read |
| 0x8C | COMPARTMENT 9 BUILD VOLUME | Read |
| 0x8D | COMPARTMENT 10 BUILD VOLUME | Read |
| 0x8E | COMPARTMENT 11 BUILD VOLUME | Read |
| 0x8F | COMPARTMENT 12 BUILD VOLUME | Read |
| 0x90 | COMPARTMENT 13 BUILD VOLUME | Read |
| 0x91 | COMPARTMENT 14 BUILD VOLUME | Read |
| 0x92 | COMPARTMENT 15 BUILD VOLUME | Read |
| 0x93 | COMPARTMENT 16 BUILD VOLUME | Read |
| 0x94 | SCULLY SENSORS | Read |
| 0x95 | TANK MODEL NUMBER | Read |
| 0x96 | MAX WORKING PRESSURE | Read |
| 0x97 | ALLOWABLE WORKING PRESSURE | Read |
| 0x98 | PRESSURE UNITS | Read |
| 0x99 | BULKHEADS | Read |
| 0x9A | TANK PROFILE | Read |
| 0x9B | OVERFILL SENSOR 1 LENGTH | Read |
| 0x9C | OVERFILL SENSOR 2 LENGTH | Read |
| 0x9D | OVERFILL SENSOR 3 LENGTH | Read |
| 0x9E | OVERFILL SENSOR 4 LENGTH | Read |
| 0x9F | OVERFILL SENSOR 5 LENGTH | Read |
| 0xA0 | OVERFILL SENSOR 6 LENGTH | Read |
| 0xA1 | OVERFILL SENSOR 7 LENGTH | Read |
| 0xA2 | OVERFILL SENSOR 8 LENGTH | Read |
| 0xA3 | OVERFILL SENSOR 9 LENGTH | Read |
| 0xA4 | OVERFILL SENSOR 10 LENGTH | Read |
| 0xA5 | OVERFILL SENSOR 11 LENGTH | Read |
| 0xA6 | OVERFILL SENSOR 12 LENGTH | Read |
| 0xA7 | OVERFILL SENSOR 13 LENGTH | Read |
| 0xA8 | OVERFILL SENSOR 14 LENGTH | Read |
| 0xA9 | OVERFILL SENSOR 15 LENGTH | Read |
| 0xAA | OVERFILL SENSOR 16 LENGTH | Read |
| 0xAB | OVERFILL SENSOR 17 LENGTH | Read |
| 0xAC | OVERFILL SENSOR 18 LENGTH | Read |
| 0xAD | OVERFILL SENSOR 19 LENGTH | Read |
| 0xAE | OVERFILL SENSOR 20 LENGTH | Read |
| 0xAF | OVERFILL SENSOR 21 LENGTH | Read |
| 0xB0 | OVERFILL SENSOR 22 LENGTH | Read |
| 0xB1 | OVERFILL SENSOR 23 LENGTH | Read |
| 0xB2 | OVERFILL SENSOR 24 LENGTH | Read |

Modbus Register Subcommands

|  |  |  |
| --- | --- | --- |
| 0x03: Read 16-bit Holding Registers / 0x06: Write ModBus Register / 0x10: Write Multiple ModBus Registers | | |
| Value | Description | Read / Write |
| 0x0000 | VIP Year | Read |
| 0x0001 | VIP Month | Read |
| 0x0002 | VIP Day | Read |
| 0x0003 | VIP Hour | Read |
| 0x0004 | VIP Minute | Read |
| 0x0005 | Shell version | Read |
| 0x0006 | VIP Serial Number | Read |
| 0x0007 | Latest Log pointer | Read |
| 0x0008 | VIP TAS Delay | Read / Write |
| 0x0009 | VIP Bypass Time-Out | Read / Write |
| 0x000A | VIP Terminal number | Read / Write |
| 0x000B | VIP ModBus Turnaround Delay | Read / Write |
| 0x000C | Shell Checksum/CRC | Read |
| 0x000E | Read the VIP Mode Control | Read / Write |
| 0x000F | Kernel version | Read |
|  |  |  |
| 0x0012 | Scully type/model | Read |
|  |  |  |
| 0x0020 | Unit Serial Number (1/4) | Read |
| 0x0021 | Unit Serial Number (2/4) | Read |
| 0x0022 | Unit Serial Number (3/4) | Read |
| 0x0023 | Unit Serial Number (4/4) | Read |
| 0x0024 | Hardware Revision Level | Read |
| 0x0025 | System Configuration "A" | Read |
| 0x0026 | System Configuration "B" | Read |
| 0x0027 | System Configuration "C" | Read |
| 0x0028 | System Configuration "D" | Read |
| 0x0029 | RAM size (in KB) | Read |
| 0x002A | FLASHRAM size (in KB) | Read |
| 0x002B | EEPROM size (in KB) | Read |
| 0x002C | Max ModBus message size | Read |
| 0x002D | Number of 5 wire probes | Read |
| 0x002E | Enable Modbus Features | Read |
|  |  |  |
| 0x0030 | Reference volt | Read |
| 0x0031 | Raw Power Supply (13 V) | Read |
| 0x0032 | Probe Bias Voltage | Read |
| 0x0033 | 5-Wire Optic Pulse | Read |
| 0x0038 | Channel 0 Noise Voltage | Read |
| 0x0039 | Channel 1 Noise Voltage | Read |
| 0x003A | Channel 2 Noise Voltage | Read |
| 0x003B | Channel 3 Noise Voltage | Read |
| 0x003C | Channel 4 Noise Voltage | Read |
| 0x003D | Channel 5 Noise Voltage | Read |
| 0x003E | Channel 6 Noise Voltage | Read |
| 0x003F | Channel 7 Noise Voltage | Read |
|  |  |  |
| 0x0040 | Channel 0 10-Volt Rail | Read |
| 0x0041 | Channel 1 10-Volt Rail | Read |
| 0x0042 | Channel 2 10-Volt Rail | Read |
| 0x0043 | Channel 3 10-Volt Rail | Read |
| 0x0044 | Channel 4 10-Volt Rail | Read |
| 0x0045 | Channel 5 10-Volt Rail | Read |
| 0x0046 | Channel 6 10-Volt Rail | Read |
| 0x047 | Channel 7 10-Volt Rail | Read |
| 0x0048 | Channel 0 20-Volt Rail | Read |
| 0x0049 | Channel 1 20-Volt Rail | Read |
| 0x004A | Channel 2 20-Volt Rail | Read |
| 0x004B | Channel 3 20-Volt Rail | Read |
| 0x004C | Channel 4 20-Volt Rail | Read |
| 0x004D | Channel 5 20-Volt Rail | Read |
| 0x004E | Channel 6 20-Volt Rail | Read |
| 0x004F | Channel 7 20-Volt Rail | Read |
|  |  |  |
| 0x0050 | Channel 0 Current Voltage | Read |
| 0x0051 | Channel 1 Current Voltage | Read |
| 0x0052 | Channel 2 Current Voltage | Read |
| 0x0053 | Channel 3 Current Voltage | Read |
| 0x0054 | Channel 4 Current Voltage | Read |
| 0x0055 | Channel 5 Current Voltage | Read |
| 0x0056 | Channel 6 Current Voltage | Read |
| 0x0057 | Channel 7 Current Voltage | Read |
|  |  |  |
| 0x0060 | Read Clock Status | Read |
| 0x0061 | Relay Status | Read |
| 0x0062 | EEPROM status | Read |
| 0x0064 | "Acquire" state | Read |
| 0x0065 | "Probe-Try" state | Read |
| 0x0066 | Optic 5-wire state | Read |
| 0x0067 | Optic/Thermal 2-wire state | Read |
| 0x0068 | VIP status (inc DateStamp) | Read |
| 0x0069 | Service "A" flags | Read |
| 0x006A | Service "B" flags | Read |
| 0x006B | VIP status (fuel\_type\_fails) | Read |
| 0x006C | VIP status (badvipdscode) | Read |
| 0x006D | Ground status | Read |
| 0x006E | VIP status (badvipflag) | Read |
| 0x006F | VIP status (CERTIFICATE\_ds\_fails) | Read |
|  |  |  |
| 0x0070 | Shorts test active | Read / Write |
| 0x0071 | Debug Pulse on Code | Read / Write |
| 0x0072 | Debug Pulse on Code | Read / Write |
| 0x0073 | Debug Pulse on Code | Read / Write |
| 0x0074 | Debug Pulse on Code | Read / Write |
| 0x0075 | Debug Pulse on Failed Code | Read / Write |
| 0x0076 | Debug Pulse on Failed Code | Read / Write |
| 0x0077 | Debug Pulse on Failed Code | Read / Write |
| 0x0078 | Debug Pulse on Failed Code | Read / Write |
| 0x0079 | Software Feature Enable Code | Read / Write |
| 0x007A | Software Feature Enable Code | Read / Write |
| 0x007B | TIM read enable | Read / Write |
| 0x007C | Resistive Ground reference value | Read / Write |
| 0x007E | Enable Ground Display | Read / Write |
| 0x007F | 5-Wire Compartment Count Display Time | Read / Write |
|  |  |  |
| 0x0080 | Active Deadman Enabled | Read / Write |
| 0x0081 | Active Deadman Max open time | Read / Write |
| 0x0082 | Active Deadman Max close time | Read / Write |
| 0x0083 | Active Deadman Warning time | Read / Write |
| 0x0084 | Software Feature Enable Unload Terminal | Read / Write |
| 0x0085 | Supertim max unload time | Read / Write |
| 0x0086 | Supertim Certificate date enable mask | Read / Write |
| 0x0087 | Software Feature Enable compartment count check | Read / Write |
| 0x0088 | Supertim fuel type check mask | Read / Write |
| 0x0089 | Software Feature Enable auto write fuel type flag | Read / Write |
| 0x008A | Supertim default fuel type msb and middle byte | Read / Write |
| 0x008B | Supertim default fuel type lsb | Read / Write |
|  |  |  |
| 0x00A0 | EEPROM base address, hi | Read |
| 0x00A1 | EEPROM base address, lo | Read |
| 0x00A2 | Home block size | Read |
| 0x00A3 | Home block offset | Read |
| 0x00A4 | Boot block size | Read |
| 0x00A5 | Boot block offset | Read |
| 0x00A6 | Crash block size | Read |
| 0x00A7 | Crash block offset | Read |
| 0x00A8 | System block size | Read |
| 0x00A9 | System block offset | Read |
| 0x00AA | Event log block size | Read |
| 0x00AB | Event log block offset | Read |
| 0x00AC | Bypass key block size | Read |
| 0x00AD | Bypass key block offset | Read |
| 0x00AE | Truck ID block size | Read |
| 0x00AF | Truck ID block offset | Read |
|  |  |  |
| 0x00E0 | Soft COMM\_ID ground errs | Read |
| 0x00E1 | Hard COMM\_ID ground errs | Read |
|  |  |  |
| 0x0100 | Date/Time (Unix format)  (High-order) | Read / Write |
| 0x0101 | Date/Time (Unix format)  (Low-order) | Read / Write |
| 0x0102 | Current Event Elapsed Time (High-order) | Read |
| 0x0103 | Current Event Elapsed Time (Low-order) | Read |
| 0x0104 | Status "A" flags | Read |
| 0x0105 | Status "B" flags | Read |
| 0x0106 | Status "O" flags | Read |
| 0x0107 | Status "P" flags | Read |
| 0x0108 | Main Intellitrol state | Read |
| 0x0109 | Truck [Type] state | Read |
| 0x010A | Truck Serial Number 1/3 | Read |
| 0x010B | Truck Serial Number 2/3 | Read |
| 0x010C | Truck Serial Number 3/3 | Read |
| 0x010D | Probes 1 & 2 State | Read |
| 0x010E | Probes 3 & 4 State | Read |
| 0x010F | Probes 5 & 6 State | Read |
| 0x0110 | Probes 7 & 8 State | Read |
| 0x0111 | Probes 9 & 10 State | Read |
| 0x0112 | Probes 11 & 12 State | Read |
| 0x0113 | Probes 13 & 14 State | Read |
| 0x0114 | Probes 15 & 16 State | Read |
| 0x0115 | Bypass State | Read |
| 0x0116 | Bypass Serial Number | Read |
| 0x0117 | Bypass Serial Number | Read |
| 0x0118 | Bypass Serial Number | Read |
| 0x0119 | Bypass Time (elapsed) | Read |
| 0x011A | Non-permissive reasons | Read |
| 0x011B | Latest Log pointer | Read |
| 0x011C | Optic 2 wire Threshold | Read / Write |
| 0x011D | Hysteresis | Read / Write |
| 0x011E | Thermistor Threshold | Read / Write |
|  |  |  |
| 0x0120 | Number of truck compartments | Read |
| 0x0121 | Stop logging dome out events | Read / Write |
| 0x0122 | TIM info logged | Read |
| 0x0123 | TIM size | Read |
| 0x0124 | S TIM code | Read |
| 0x0125 | log data state | Read |
| 0x0126 | compare volts | Read |