## OCOIIS INSTRUMENTS INC. <br> Ol-7010 Modbus Register Map

| Register Address (Hexadecimal) | Register Address (Decimal) | Data Description | R/W | Length | Units | Valid Response |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Radio Data |  |  |  |  |  |  |
| 1 | 1 | Channel 1 Radio Address | R/W | 1 | INTEGER | Radio Address (1-255) |
| 2 | 2 | Channel 2 Radio Address | R/W | 1 | INTEGER | Radio Address (1-255) |
| 3 | 3 | Channel 3 Radio Address | R/W | 1 | INTEGER | Radio Address (1-255) |
| 4 | 4 | Channel 4 Radio Address | R/W | 1 | INTEGER | Radio Address (1-255) |
| 5 | 5 | Channel 5 Radio Address | R/W | 1 | INTEGER | Radio Address (1-255) |
| 6 | 6 | Channel 6 Radio Address | R/W | 1 | INTEGER | Radio Address (1-255) |
| 7 | 7 | Channel 7 Radio Address | R/W | 1 | INTEGER | Radio Address (1-255) |
| 8 | 8 | Channel 8 Radio Address | R/W | 1 | INTEGER | Radio Address (1-255) |
| 9 | 9 | Channel 9 Radio Address | R/W | 1 | INTEGER | Radio Address (1-255) |
| A | 10 | Channel 10 Radio Address | R/W | 1 | INTEGER | Radio Address (1-255) |
| B | 11 | Channel 11 Radio Address | R/W | 1 | INTEGER | Radio Address (1-255) |
| C | 12 | Channel 12 Radio Address | R/W | 1 | INTEGER | Radio Address (1-255) |
| D | 13 | Channel 1 Reading | R | 2 | FLOAT | Any valid sensor reading |
| F | 15 | Channel 2 Reading | R | 2 | FLOAT | Any valid sensor reading |
| 11 | 17 | Channel 3 Reading | R | 2 | FLOAT | Any valid sensor reading |
| 13 | 19 | Channel 4 Reading | R | 2 | FLOAT | Any valid sensor reading |
| 15 | 21 | Channel 5 Reading | R | 2 | FLOAT | Any valid sensor reading |
| 17 | 23 | Channel 6 Reading | R | 2 | FLOAT | Any valid sensor reading |
| 19 | 25 | Channel 7 Reading | R | 2 | FLOAT | Any valid sensor reading |
| 1B | 27 | Channel 8 Reading | R | 2 | FLOAT | Any valid sensor reading |
| 1D | 29 | Channel 9 Reading | R | 2 | FLOAT | Any valid sensor reading |
| 1F | 31 | Channel 10 Reading | R | 2 | FLOAT | Any valid sensor reading |
| 21 | 33 | Channel 11 Reading | R | 2 | FLOAT | Any valid sensor reading |
| 23 | 35 | Channel 12 Reading | R | 2 | FLOAT | Any valid sensor reading |
| 25 | 37 | Channel 1 Mode | R | 1 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 26 | 38 | Channel 2 Mode | R | 1 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 27 | 39 | Channel 3 Mode | R | 1 | ENUMERATION | 0-7 See Mode Enumeration Below |

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| 28 | 40 | Channel 4 Mode | R | 1 | ENUMERATION | 0-7 See Mode Enumeration Below |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 29 | 41 | Channel 5 Mode | R | 1 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 2A | 42 | Channel 6 Mode | R | 1 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 2B | 43 | Channel 7 Mode | R | 1 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 2C | 44 | Channel 8 Mode | R | 1 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 2D | 45 | Channel 9 Mode | R | 1 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 2E | 46 | Channel 10 Mode | R | 1 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 2 F | 47 | Channel 11 Mode | R | 1 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 30 | 48 | Channel 12 Mode | R | 1 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 31 | 49 | Channel 1 Battery | R | 2 | FLOAT | Sensor Input Voltage( $>=0.0$ ) |
| 33 | 51 | Channel 2 Battery | R | 2 | FLOAT | Sensor Input Voltage( $>=0.0$ ) |
| 35 | 53 | Channel 3 Battery | R | 2 | FLOAT | Sensor Input Voltage( $>=0.0$ ) |
| 37 | 55 | Channel 4 Battery | R | 2 | FLOAT | Sensor Input Voltage( $>=0.0$ ) |
| 39 | 57 | Channel 5 Battery | R | 2 | FLOAT | Sensor Input Voltage( $>=0.0$ ) |
| 3B | 59 | Channel 6 Battery | R | 2 | FLOAT | Sensor Input Voltage( $>=0.0$ ) |
| 3D | 61 | Channel 7 Battery | R | 2 | FLOAT | Sensor Input Voltage( $>=0.0$ ) |
| 3F | 63 | Channel 8 Battery | R | 2 | FLOAT | Sensor Input Voltage( $>=0.0$ ) |
| 41 | 65 | Channel 9 Battery | R | 2 | FLOAT | Sensor Input Voltage( > $\times 0.0$ ) |
| 43 | 67 | Channel 10 Battery | R | 2 | FLOAT | Sensor Input Voltage( $>=0.0$ ) |
| 45 | 69 | Channel 11 Battery | R | 2 | FLOAT | Sensor Input Voltage( $>=0.0$ ) |
| 47 | 71 | Channel 12 Battery | R | 2 | FLOAT | Sensor Input Voltage( $>=0.0$ ) |
| 49 | 73 | Channel 1 Sec Since Last Message | R | 1 | INTEGER | -1-32768 Seconds, $-1=$ no transmissions. Staying $0=$ timeout |
| 4A | 74 | Channel 2 Sec Since Last Message | R | 1 | INTEGER | -1-32768 Seconds, $-1=$ no transmissions. Staying $0=$ timeout |
| 4B | 75 | Channel 3 Sec Since Last Message | R | 1 | INTEGER | -1-32768 Seconds, $-1=$ no transmissions. Staying $0=$ timeout |
| 4C | 76 | Channel 4 Sec Since Last Message | R | 1 | INTEGER | -1-32768 Seconds, $-1=$ no transmissions. Staying $0=$ timeout |
| 4D | 77 | Channel 5 Sec Since Last Message | R | 1 | INTEGER | -1-32768 Seconds, $-1=$ no transmissions. Staying $0=$ timeout |
| 4E | 78 | Channel 6 Sec Since Last Message | R | 1 | INTEGER | -1-32768 Seconds, $-1=$ no transmissions. Staying $0=$ timeout |
| 4F | 79 | Channel 7 Sec Since Last Message | R | 1 | INTEGER | -1-32768 Seconds, $-1=$ no transmissions. Staying $0=$ timeout |
| 50 | 80 | Channel 8 Sec Since Last Message | R | 1 | INTEGER | -1-32768 Seconds, $-1=$ no transmissions. Staying $0=$ timeout |
| 51 | 81 | Channel 9 Sec Since Last Message | R | 1 | INTEGER | -1-32768 Seconds, $-1=$ no transmissions. Staying $0=$ timeout |
| 52 | 82 | Channel 10 Sec Since Last Message | R | 1 | INTEGER | -1-32768 Seconds, $-1=$ no transmissions. Staying $0=$ timeout |
| 53 | 83 | Channel 11 Sec Since Last Message | R | 1 | INTEGER | -1-32768 Seconds, $-1=$ no transmissions. Staying $0=$ timeout |
| 54 | 84 | Channel 12 Sec Since Last Message | R | 1 | INTEGER | -1-32768 Seconds, $-1=$ no transmissions. Staying $0=$ timeout |
| 55 | 85 | Channel 1 Sensor Type | R | 1 | ENUMERATION | 0-31 See Sensor Type Enumeration Below |
| 56 | 86 | Channel 2 Sensor Type | R | 1 | ENUMERATION | 0-31 See Sensor Type Enumeration Below |
| 57 | 87 | Channel 3 Sensor Type | R | 1 | ENUMERATION | 0-31 See Sensor Type Enumeration Below |
| 58 | 88 | Channel 4 Sensor Type | R | 1 | ENUMERATION | 0-31 See Sensor Type Enumeration Below |
| 59 | 89 | Channel 5 Sensor Type | R | 1 | ENUMERATION | 0-31 See Sensor Type Enumeration Below |

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| 5A | 90 | Channel 6 Sensor Type | R | 1 | ENUMERATION | 0-31 See Sensor Type Enumeration Below |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5B | 91 | Channel 7 Sensor Type | R | 1 | ENUMERATION | 0-31 See Sensor Type Enumeration Below |
| 5C | 92 | Channel 8 Sensor Type | R | 1 | ENUMERATION | 0-31 See Sensor Type Enumeration Below |
| 5D | 93 | Channel 9 Sensor Type | R | 1 | ENUMERATION | 0-31 See Sensor Type Enumeration Below |
| 5 E | 94 | Channel 10 Sensor Type | R | 1 | ENUMERATION | 0-31 See Sensor Type Enumeration Below |
| 5F | 95 | Channel 11 Sensor Type | R | 1 | ENUMERATION | 0-31 See Sensor Type Enumeration Below |
| 60 | 96 | Channel 12 Sensor Type | R | 1 | ENUMERATION | 0-31 See Sensor Type Enumeration Below |
| 61 | 97 | Channel 1 Gas Type | R | 1 | ENUMERATION | 0-127 See Gas Enumeration below |
| 62 | 98 | Channel 2 Gas Type | R | 1 | ENUMERATION | 0-127 See Gas Enumeration below |
| 63 | 99 | Channel 3 Gas Type | R | 1 | ENUMERATION | 0-127 See Gas Enumeration below |
| 64 | 100 | Channel 4 Gas Type | R | 1 | ENUMERATION | 0-127 See Gas Enumeration below |
| 65 | 101 | Channel 5 Gas Type | R | 1 | ENUMERATION | 0-127 See Gas Enumeration below |
| 66 | 102 | Channel 6 Gas Type | R | 1 | ENUMERATION | 0-127 See Gas Enumeration below |
| 67 | 103 | Channel 7 Gas Type | R | 1 | ENUMERATION | 0-127 See Gas Enumeration below |
| 68 | 104 | Channel 8 Gas Type | R | 1 | ENUMERATION | 0-127 See Gas Enumeration below |
| 69 | 105 | Channel 9 Gas Type | R | 1 | ENUMERATION | 0-127 See Gas Enumeration below |
| 6A | 106 | Channel 10 Gas Type | R | 1 | ENUMERATION | 0-127 See Gas Enumeration below |
| 6B | 107 | Channel 11 Gas Type | R | 1 | ENUMERATION | 0-127 See Gas Enumeration below |
| 6C | 108 | Channel 12 Gas Type | R | 1 | ENUMERATION | 0-127 See Gas Enumeration below |
| 6D | 109 | Channel 1 Fault | R | 1 | ENUMERATION | 0-15 See Fault Enumeration below |
| 6 E | 110 | Channel 2 Fault | R | 1 | ENUMERATION | 0-15 See Fault Enumeration below |
| 6F | 111 | Channel 3 Fault | R | 1 | ENUMERATION | 0-15 See Fault Enumeration below |
| 70 | 112 | Channel 4 Fault | R | 1 | ENUMERATION | 0-15 See Fault Enumeration below |
| 71 | 113 | Channel 5 Fault | R | 1 | ENUMERATION | 0-15 See Fault Enumeration below |
| 72 | 114 | Channel 6 Fault | R | 1 | ENUMERATION | 0-15 See Fault Enumeration below |
| 73 | 115 | Channel 7 Fault | R | 1 | ENUMERATION | 0-15 See Fault Enumeration below |
| 74 | 116 | Channel 8 Fault | R | 1 | ENUMERATION | 0-15 See Fault Enumeration below |
| 75 | 117 | Channel 9 Fault | R | 1 | ENUMERATION | 0-15 See Fault Enumeration below |
| 76 | 118 | Channel 10 Fault | R | 1 | ENUMERATION | 0-15 See Fault Enumeration below |
| 77 | 119 | Channel 11 Fault | R | 1 | ENUMERATION | 0-15 See Fault Enumeration below |
| 78 | 120 | Channel 12 Fault | R | 1 | ENUMERATION | 0-15 See Fault Enumeration below |
| 79 | 121 | Channel 1 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 7A | 122 | Channel 2 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 7B | 123 | Channel 3 On/Off | R/W | 1 | ENUMERATION | 0-1, 0 means off, 1 means on |
| 7 C | 124 | Channel 4 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 7D | 125 | Channel 5 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 7E | 126 | Channel 6 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 7F | 127 | Channel 7 On/Off | R/W | 1 | ENUMERATION | 0-1, 0 means off, 1 means on |

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| 80 | 128 | Channel 8 On/Off | R/W | 1 | ENUMERATION | 0-1, 0 means off, 1 means on |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 81 | 129 | Channel 9 On/Off | R/W | 1 | ENUMERATION | 0-1, 0 means off, 1 means on |
| 82 | 130 | Channel 10 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 83 | 131 | Channel 11 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 84 | 132 | Channel 12 On/Off | R/W | 1 | ENUMERATION | 0-1, 0 means off, 1 means on |
| 85 | 133 | Channel 1 Relay 1 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 86 | 134 | Channel 2 Relay 1 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 87 | 135 | Channel 3 Relay 1 On/Off | R/W | 1 | ENUMERATION | 0-1, 0 means off, 1 means on |
| 88 | 136 | Channel 4 Relay 1 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 89 | 137 | Channel 5 Relay 1 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 8A | 138 | Channel 6 Relay 1 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 8B | 139 | Channel 7 Relay 1 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 8 C | 140 | Channel 8 Relay 1 On/Off | R/W | 1 | ENUMERATION | 0-1, 0 means off, 1 means on |
| 8D | 141 | Channel 9 Relay 1 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 8 E | 142 | Channel 10 Relay 1 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 8F | 143 | Channel 11 Relay 1 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 90 | 144 | Channel 12 Relay 1 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 91 | 145 | Channel 1 Relay 1 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 92 | 146 | Channel 2 Relay 1 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 93 | 147 | Channel 3 Relay 1 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 94 | 148 | Channel 4 Relay 1 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 95 | 149 | Channel 5 Relay 1 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 96 | 150 | Channel 6 Relay 1 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 97 | 151 | Channel 7 Relay 1 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 98 | 152 | Channel 8 Relay 1 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 99 | 153 | Channel 9 Relay 1 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 9A | 154 | Channel 10 Relay 1 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 9B | 155 | Channel 11 Relay 1 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 9C | 156 | Channel 12 Relay 1 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 9D | 157 | Channel 1 Relay 1 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 9F | 159 | Channel 2 Relay 1 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| A1 | 161 | Channel 3 Relay 1 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| A3 | 163 | Channel 4 Relay 1 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| A5 | 165 | Channel 5 Relay 1 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| A7 | 167 | Channel 6 Relay 1 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| A9 | 169 | Channel 7 Relay 1 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| AB | 171 | Channel 8 Relay 1 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| AD | 173 | Channel 9 Relay 1 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |

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| AF | 175 | Channel 10 Relay 1 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| B1 | 177 | Channel 11 Relay 1 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| B3 | 179 | Channel 12 Relay 1 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| B5 | 181 | Channel 1 Relay 1 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| B6 | 182 | Channel 2 Relay 1 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| B7 | 183 | Channel 3 Relay 1 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| B8 | 184 | Channel 4 Relay 1 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| B9 | 185 | Channel 5 Relay 1 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| BA | 186 | Channel 6 Relay 1 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| BB | 187 | Channel 7 Relay 1 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| BC | 188 | Channel 8 Relay 1 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| BD | 189 | Channel 9 Relay 1 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| BE | 190 | Channel 10 Relay 1 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| BF | 191 | Channel 11 Relay 1 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| C0 | 192 | Channel 12 Relay 1 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| C1 | 193 | Channel 1 Relay 2 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| C2 | 194 | Channel 2 Relay 2 On/Off | R/W | 1 | ENUMERATION | 0-1, 0 means off, 1 means on |
| C3 | 195 | Channel 3 Relay 2 On/Off | R/W | 1 | ENUMERATION | 0-1, 0 means off, 1 means on |
| C4 | 196 | Channel 4 Relay 2 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| C5 | 197 | Channel 5 Relay 2 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| C6 | 198 | Channel 6 Relay 2 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| C7 | 199 | Channel 7 Relay 2 On/Off | R/W | 1 | ENUMERATION | 0-1, 0 means off, 1 means on |
| C8 | 200 | Channel 8 Relay 2 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| C9 | 201 | Channel 9 Relay 2 On/Off | R/W | 1 | ENUMERATION | 0-1, 0 means off, 1 means on |
| CA | 202 | Channel 10 Relay 2 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| CB | 203 | Channel 11 Relay 2 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| CC | 204 | Channel 12 Relay 2 On/Off | R/W | 1 | ENUMERATION | 0-1, 0 means off, 1 means on |
| CD | 205 | Channel 1 Relay 2 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| CE | 206 | Channel 2 Relay 2 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| CF | 207 | Channel 3 Relay 2 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| D0 | 208 | Channel 4 Relay 2 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| D1 | 209 | Channel 5 Relay 2 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| D2 | 210 | Channel 6 Relay 2 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| D3 | 211 | Channel 7 Relay 2 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| D4 | 212 | Channel 8 Relay 2 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| D5 | 213 | Channel 9 Relay 2 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| D6 | 214 | Channel 10 Relay 2 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| D7 | 215 | Channel 11 Relay 2 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |

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| D8 | 216 | Channel 12 Relay 2 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| D9 | 217 | Channel 1 Relay 2 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| DB | 219 | Channel 2 Relay 2 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| DD | 221 | Channel 3 Relay 2 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| DF | 223 | Channel 4 Relay 2 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| E1 | 225 | Channel 5 Relay 2 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| E3 | 227 | Channel 6 Relay 2 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| E5 | 229 | Channel 7 Relay 2 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| E7 | 231 | Channel 8 Relay 2 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| E9 | 233 | Channel 9 Relay 2 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| EB | 235 | Channel 10 Relay 2 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| ED | 237 | Channel 11 Relay 2 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| EF | 239 | Channel 12 Relay 2 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| F1 | 241 | Channel 1 Relay 2 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| F2 | 242 | Channel 2 Relay 2 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| F3 | 243 | Channel 3 Relay 2 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| F4 | 244 | Channel 4 Relay 2 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| F5 | 245 | Channel 5 Relay 2 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| F6 | 246 | Channel 6 Relay 2 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| F7 | 247 | Channel 7 Relay 2 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| F8 | 248 | Channel 8 Relay 2 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| F9 | 249 | Channel 9 Relay 2 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| FA | 250 | Channel 10 Relay 2 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| FB | 251 | Channel 11 Relay 2 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| FC | 252 | Channel 12 Relay 2 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| FD | 253 | Channel 1 Relay 3 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| FE | 254 | Channel 2 Relay 3 On/Off | R/W | 1 | ENUMERATION | 0-1, 0 means off, 1 means on |
| FF | 255 | Channel 3 Relay 3 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 100 | 256 | Channel 4 Relay 3 On/Off | R/W | 1 | ENUMERATION | 0-1, 0 means off, 1 means on |
| 101 | 257 | Channel 5 Relay 3 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 102 | 258 | Channel 6 Relay 3 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 103 | 259 | Channel 7 Relay 3 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 104 | 260 | Channel 8 Relay 3 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 105 | 261 | Channel 9 Relay 3 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 106 | 262 | Channel 10 Relay 3 On/Off | R/W | 1 | ENUMERATION | 0-1, 0 means off, 1 means on |
| 107 | 263 | Channel 11 Relay 3 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 108 | 264 | Channel 12 Relay 3 On/Off | R/W | 1 | ENUMERATION | 0-1, 0 means off, 1 means on |
| 109 | 265 | Channel 1 Relay 3 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |

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| 10A | 266 | Channel 2 Relay 3 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10B | 267 | Channel 3 Relay 3 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 10C | 268 | Channel 4 Relay 3 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 10D | 269 | Channel 5 Relay 3 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 10 E | 270 | Channel 6 Relay 3 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 10F | 271 | Channel 7 Relay 3 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 110 | 272 | Channel 8 Relay 3 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 111 | 273 | Channel 9 Relay 3 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 112 | 274 | Channel 10 Relay 3 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 113 | 275 | Channel 11 Relay 3 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 114 | 276 | Channel 12 Relay 3 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 115 | 277 | Channel 1 Relay 3 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 117 | 279 | Channel 2 Relay 3 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 119 | 281 | Channel 3 Relay 3 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 11B | 283 | Channel 4 Relay 3 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 11D | 285 | Channel 5 Relay 3 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 11F | 287 | Channel 6 Relay 3 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 121 | 289 | Channel 7 Relay 3 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 123 | 291 | Channel 8 Relay 3 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 125 | 293 | Channel 9 Relay 3 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 127 | 295 | Channel 10 Relay 3 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 129 | 297 | Channel 11 Relay 3 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 12B | 299 | Channel 12 Relay 3 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 12D | 301 | Channel 1 Relay 3 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 12 E | 302 | Channel 2 Relay 3 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 12F | 303 | Channel 3 Relay 3 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 130 | 304 | Channel 4 Relay 3 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 131 | 305 | Channel 5 Relay 3 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 132 | 306 | Channel 6 Relay 3 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 133 | 307 | Channel 7 Relay 3 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 134 | 308 | Channel 8 Relay 3 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 135 | 309 | Channel 9 Relay 3 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 136 | 310 | Channel 10 Relay 3 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 137 | 311 | Channel 11 Relay 3 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 138 | 312 | Channel 12 Relay 3 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 139 | 313 | Channel 1 Relay 4 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 13A | 314 | Channel 2 Relay 4 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 13B | 315 | Channel 3 Relay 4 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |

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| 13C | 316 | Channel 4 Relay 4 On/Off | R/W | 1 | ENUMERATION | 0-1, 0 means off, 1 means on |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13D | 317 | Channel 5 Relay 4 On/4ff | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 13E | 318 | Channel 6 Relay 4 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 13 F | 319 | Channel 7 Relay 4 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 140 | 320 | Channel 8 Relay 4 On/Off | R/W | 1 | ENUMERATION | 0-1, 0 means off, 1 means on |
| 141 | 321 | Channel 9 Relay 4 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 142 | 322 | Channel 10 Relay 4 On/Off | R/W | 1 | ENUMERATION | $0-1,0$ means off, 1 means on |
| 143 | 323 | Channel 11 Relay 4 On/Off | R/W | 1 | ENUMERATION | 0-1, 0 means off, 1 means on |
| 144 | 324 | Channel 12 Relay 4 On/Off | R/W | 1 | ENUMERATION | 0-1, 0 means off, 1 means on |
| 145 | 325 | Channel 1 Relay 4 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 146 | 326 | Channel 2 Relay 4 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 147 | 327 | Channel 3 Relay 4 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 148 | 328 | Channel 4 Relay 4 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 149 | 329 | Channel 5 Relay 4 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 14A | 330 | Channel 6 Relay 4 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 14B | 331 | Channel 7 Relay 4 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 14C | 332 | Channel 8 Relay 4 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 14D | 333 | Channel 9 Relay 4 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 14 E | 334 | Channel 10 Relay 4 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 14F | 335 | Channel 11 Relay 4 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 150 | 336 | Channel 12 Relay 4 High/Low | R/W | 1 | ENUMERATION | 0-1,0 means low, 1 means high |
| 151 | 337 | Channel 1 Relay 4 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 153 | 339 | Channel 2 Relay 4 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 155 | 341 | Channel 3 Relay 4 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 157 | 343 | Channel 4 Relay 4 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 159 | 345 | Channel 5 Relay 4 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 15B | 347 | Channel 6 Relay 4 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 15D | 349 | Channel 7 Relay 4 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 15F | 351 | Channel 8 Relay 4 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 161 | 353 | Channel 9 Relay 4 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 163 | 355 | Channel 10 Relay 4 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 165 | 357 | Channel 11 Relay 4 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 167 | 359 | Channel 12 Relay 4 Set Point | R/W | 2 | FLOAT | Any number 65000 or less and higher than 0 |
| 169 | 361 | Channel 1 Relay 4 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 16A | 362 | Channel 2 Relay 4 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 16B | 363 | Channel 3 Relay 4 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 16 C | 364 | Channel 4 Relay 4 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 16D | 365 | Channel 5 Relay 4 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |

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| 16E | 366 | Channel 6 Relay 4 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16F | 367 | Channel 7 Relay 4 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 170 | 368 | Channel 8 Relay 4 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 171 | 369 | Channel 9 Relay 4 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 172 | 370 | Channel 10 Relay 4 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 173 | 371 | Channel 11 Relay 4 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 174 | 372 | Channel 12 Relay 4 Latch/Unlatch | R/W | 1 | ENUMERATION | 0-1,0 means unlatch, 1 means latch |
| 175 | 373 | Channel 9 Select Wired or Radio | R/W | 1 | ENUMERATION | 0-1,0 means wired, 1 means radio |
| 176 | 374 | Channel 10 Select Wired or Radio | R/W | 1 | ENUMERATION | 0-1,0 means wired, 1 means radio |
| 177 | 375 | Channel 11 Select Wired or Radio | R/W | 1 | ENUMERATION | 0-1,0 means wired, 1 means radio |
| 178 | 376 | Channel 12 Select Wired or Radio | R/W | 1 | ENUMERATION | 0-1,0 means wired, 1 means radio |
| 179 | 377 | Channel 9 Scale | R/W | 1 | INTEGER | 1-65000 |
| 17A | 378 | Channel 10 Scale | R/W | 1 | INTEGER | 1-65000 |
| 17B | 379 | Channel 11 Scale | R/W | 1 | INTEGER | 1-65000 |
| 17C | 380 | Channel 12 Scale | R/W | 1 | INTEGER | 1-65000 |
| Modbus and Build Data |  |  |  |  |  |  |
| 1771 | 6001 | Modbus Address | R/W | 1 | INTEGER | 1-247 |
| 1772 | 6002 | Modbus Baud Rate | R/W | 1 | INTEGER | Any Valid Baud Rate. See Below. |
| 1773 | 6003 | Month | R | 1 | INTEGER | 1-12 |
| 1774 | 6004 | Day | R | 1 | INTEGER | 1-31 |
| 1775 | 6005 | Year | R | 1 | INTEGER | 2009 - |
| 1776 | 6006 | Serial Number Character | R | 1 | ENUMERATION | 0-26 See Serial Number below |
| 1777 | 6007 | Serial Number | R | 2 | LONG INT | 1-99999 |
| Settings in Startup Menu |  |  |  |  |  |  |
| 177A | 6010 | Can Change Startup Menu Options | R | 1 | ENUMERATION | 0-1, 1 can change startup menu items. 0 cannot change. |
| 177B | 6011 | Restore to Factory Default | R/W | 1 | ENUMERATION | When read will be 0 . When you want to restore write a 1 . |
| 177C | 6012 | Relay 4 as Fault Relay | R/W | 1 | ENUMERATION | $0-1,0$ means normal relay, 1 means Fault Relay |
| 177D | 6013 | Relay 1 Fail Safe | R/W | 1 | ENUMERATION | $0-1,0$ means not Fail Safe, 1 means Fail Safe |
| 177 E | 6014 | Relay 2 Fail Safe | R/W | 1 | ENUMERATION | $0-1,0$ means not Fail Safe, 1 means Fail Safe |
| 177 F | 6015 | Relay 3 Fail Safe | R/W | 1 | ENUMERATION | $0-1,0$ means not Fail Safe, 1 means Fail Safe |
| 1780 | 6016 | Relay 4 Fail Safe | R/W | 1 | ENUMERATION | $0-1,0$ means not Fail Safe, 1 means Fail Safe |
| 1781 | 6017 | Fault Terminal Fail Safe | R/W | 1 | ENUMERATION | $0-1,0$ means not Fail Safe, 1 means Fail Safe |
| 1782 | 6018 | Radio Timeout | R/W | 1 | INTEGER | 6-255. This is the timeout in minutes. |
| 1783 | 6019 | Network Channel | R/W | 1 | INTEGER | 1-78 |
| 1784 | 6020 | Primary Secondary | R/W | 1 | ENUMERATION | 0-1, 0 means Primary, 1 means Secondary. |
| Relays in Alarm State |  |  |  |  |  |  |
| 1785 | 6021 | Relay 1 is in Alarm | R | 1 | ENUMERATION | 0-1, 0 means not in Alarm, 1 means in Alarm |
| 1786 | 6022 | Relay 2 is in Alarm | R | 1 | ENUMERATION | $0-1,0$ means not in Alarm, 1 means in Alarm |

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| 1787 | 6023 | Relay 3 is in Alarm | R | 1 | ENUMERATION | 0-1, 0 means not in Alarm, 1 means in Alarm |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1788 | 6024 | Relay 4 is in Alarm | R | 1 | ENUMERATION | $0-1,0$ means not in Alarm, 1 means in Alarm |
| 1789 | 6025 | Fault Relay is in Alarm | R | 1 | ENUMERATION | $0-1,0$ means not in Alarm, 1 means in Alarm |
| 178A | 6026 | Channels 1-12 in Alarm | R | 2 | ENUMERATION | Each bit corresponds to a Channel. 1 means in Alarm |
| 178C | 6028 | Not used on 12 Channel 7010 |  | 2 |  |  |
| 178E | 6030 | Reset Relays | R/W | 1 | ENUMERATION | Reads always a 0 . Write 1 to reset the relays. |
| Diagnostics Data |  |  |  |  |  |  |
| 2704 | 9988 | Reset | R/W | 1 | INTEGER | Read 0. If user sets to 1, resets the unit. |
| 2705 | 9989 | Serial Receive Good Count | R | 1 | UINT | 0-65535 |
| 2706 | 9990 | Serial Receive Error Count | R | 1 | UINT | 0-65535 |
| 2707 | 9991 | Serial Transmit Good Count | R | 1 | UINT | 0-65535 |
| 2708 | 9992 | Serial Transmit Error Count | R | 1 | UINT | 0-65535 |
| 2709 | 9993 | Radio Receive Good Count | R | 1 | UINT | 0-65535 |
| 270A | 9994 | Radio Receive Error Count | R | 1 | UINT | 0-65535 |
| 270B | 9995 | Radio Transmit Good Count | R | 1 | UINT | 0-65535 |
| 270 C | 9996 | Radio Transmit Error Count | R | 1 | UINT | 0-65535 |
| 270D | 9997 | Uptime Days | R | 1 | UINT | 0-65535 |
| 270 E | 9998 | Uptime Hours | R | 1 | UINT | 0-65535 |
| 270F | 9999 | Uptime Minutes | R | 1 | UINT | 0-65535 |


| MODE SENSOR | MODE |
| :---: | :---: |
|  | NORMAL |
|  | NULL |
|  | CALIBRATION |
|  | RELAY |
|  | Radio ADD |
|  | Diagnostic/ <br> Batt |
|  | Advanced Menu |
|  | Admin Menu |


| Valid Baud Rates |
| :--- |
| 4800 |
| 9600 |
| 19200 |


| GAS TYPE NUM | GAS |
| :--- | :--- | :--- |
| 0 | H 2 S |
| 1 | SO 2 |
| 2 | O 2 |
| 3 | CO |
| 4 | CL 2 |
| 5 | CO 2 |
| 6 | LEL |
| 7 | VOC |


|  | Ft. for tank |
| :---: | :---: |
| 9 | HCl |
| 10 | NH3 |
| 11 | H2 |
| 12 | CIO2 |
| 13 | F2 |
| 14 | HCN |
| 15 | HF |
| 16..N | Future Gases |
| Sensor TYPE NUM | SENSOR |
|  | EC |
|  | IR |
|  | CB |
|  | MOS |
|  | PID |
| 5..N | Future Sensors |
| FAULT | FAULT |
|  | NONE |
|  | Sensor Timeout |
|  | Future Error |
|  | Future Error |
|  | ADC not responding |
|  | Future Error |
|  | Future Error |
| 7 | Future Error |
|  | Two Sensors Same Add |
|  | Sensor Radio Timeout |
|  | When Sensor is wired, it means no sensor is connected |
| 11... 12 | Future Error |

$\left.\left.\begin{array}{|r|r|}\hline & \begin{array}{l}\text { Unspecified } \\ \text { Error on sensor } \\ \text { unit. Shown } \\ 13\end{array} \\ \text { only on Monitor }\end{array} \right\rvert\, \begin{array}{l}\text { No Primary } \\ \text { Monitor at } \\ 14 \\ \text { Sensor Head }\end{array}\right]$

