|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter Name** | **Description** | **Start Address (decimal)** | **Point Type** | **Start Register (decimal)** | **Length** | **Access** | **Type** |
| **I/O** | | | | | | | |
| AI\_burnoutValue | high/low word | 0560 | 03:HOLDING REGISTER | 40561 | 8 | R/W | 2 words |
| AI\_mode | 0: 0-10 V  1: 4-20mA  2: 0-20mA  4: 4-20mA burnout | 0544 | 03:HOLDING REGISTER | 40545 | 4 | R/W | word |
| AI\_rawValue |  | 0512 | 04:INPUT REGISTER | 30513 | 4 | R | word |
| AI\_rawValueMax |  | 0532 | 04:INPUT REGISTER | 30533 | 4 | R | word |
| AI\_rawValueMin |  | 0528 | 04:INPUT REGISTER | 30529 | 4 | R | word |
| AI\_resetMaxValue | 1: reset max. value | 4153 | 01:COIL STATUS | 04154 | 4 | R/W | bit |
| AI\_resetMinValue | 1: reset min. value | 4145 | 01:COIL STATUS | 04146 | 4 | R/W | bit |
| AI\_scaledValue | high/low word | 0520 | 04:INPUT REGISTER | 30521 | 8 | R | 2 words |
| AI\_scaledValueMax | high/low word | 0546 | 04:INPUT REGISTER | 30547 | 8 | R | 2 words |
| AI\_scaledValueMin | high/low word | 0536 | 04:INPUT REGISTER | 30537 | 8 | R | 2 words |
| AI\_status | 0: normal,  1: burnout,  2: over range,  3: under range | 0576 | 04:INPUT REGISTER | 30577 | 4 | R | word |
| DI\_counterOverflowFlag | 0: Normal,  1: Overflow | 1000 | 02:INPUT STATUS | 11001 | 8 | R | bit |
| DI\_counterOverflowFlagClear | 1: clear overflow flag | 0288 | 01:COIL STATUS | 00289 | 8 | R/W | bit |
| DI\_counterReset | 1: reset to initial value | 0272 | 01:COIL STATUS | 00273 | 8 | R/W | bit |
| DI\_counterStatus | 0: STOP, 1: START | 0256 | 01:COIL STATUS | 00257 | 8 | R/W | bit |
| DI\_counterValue | high/low word | 0016 | 04:INPUT REGISTER | 30017 | 16 | R | 2 words |
| DI\_status | 0: OFF, 1: ON | 0000 | 02:INPUT STATUS | 10001 | 8 | R | bit |
| DI-all\_statusFromDI-00 | 0: OFF, 1: ON | 0048 | 04:INPUT REGISTER | 30049 | 1 | R | word |
| DO\_p2pSafeModeFlagClear | 1: clear safe mode flag | 4128 | 01:COIL STATUS | 04129 | 4 | R/W | bit |
| DO\_p2pSafeModeFlag | 0: OFF, 1: ON | 4112 | 02:INPUT STATUS | 14113 | 4 | R | bit |
| DO\_p2pStatus | 0: OFF, 1: ON | 4096 | 02:INPUT STATUS | 14097 | 4 | R | bit |
| DO\_pulseCount |  | 0036 | 03:HOLDING REGISTER | 40037 | 4 | R/W | word |
| DO\_pulseOffWidth | unit: 1 ms | 0068 | 03:HOLDING REGISTER | 40069 | 4 | R/W | word |
| DO\_pulseOnWidth | unit: 1 ms | 0052 | 03:HOLDING REGISTER | 40053 | 4 | R/W | word |
| DO\_pulseStatus | 0: STOP, 1: START | 0016 | 01:COIL STATUS | 00017 | 4 | R/W | bit |
| DO\_status | 0: OFF, 1: ON | 0000 | 01:COIL STATUS | 00001 | 4 | R/W | bit |
| DO-all\_statusFromDO-00 | 0: OFF, 1: ON | 0032 | 03:HOLDING REGISTER | 40033 | 1 | R/W | word |
| **System** | | | | | | | |
| deviceName | Each byte represents ASCII code of each character | 5040 | 04:INPUT REGISTER | 35041 | 30 | R | word |
| deviceUpTime | unit: sec(s) | 5020 | 04:INPUT REGISTER | 35021 | 2 | R | word |
| firmwareVersion | e.g. V1.2.3 ->  1st byte: 1,  2nd byte: 2,  3rd byte: 3 | 5029 | 04:INPUT REGISTER | 35030 | 2 | R | word |
| firmwareBuildDate | e.g. Build16051718 --> 16051718 | 5031 | 04:INPUT REGISTER | 35032 | 2 | R | word |
| lanIp | e.g. 192.168.127.254 1st byte: 192,  2nd byte: 168,  3rd byte: 127,  4th byte: 254 | 5027 | 04:INPUT REGISTER | 35028 | 2 | R | word |
| lanMac | e.g. 00:90:E8:3E:18:CC 1st byte: 0,  2nd byte: 144,  3rd byte: 232,  4th byte: 62,  5th byte: 24,  6th byte: 204 | 5024 | 04:INPUT REGISTER | 35025 | 3 | R | word |
| modelName | Each byte represents ASCII code of each character | 5000 | 04:INPUT REGISTER | 35001 | 10 | R | word |
| watchdogAlarmFlag | 1: clear watchdog alarm | 4144 | 01:COIL STATUS | 04145 | 1 | R/W | bit |

**ioLogik E1242 Modbus Address and Register Map**