|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | **Modbus保持寄存器地址-变频器参数对应表** | | | | | | | | | | | |  | | | | |
|  | | | 保持寄存器地址EEprom register address（16进制） |  | | | | 对应变频器参数VFD parameter | | | | | | | 宏定义/说明 | | | | |
|  | | | 0xAABB |  | | | |  | | | | | | |  | | | | |
| 掉电保存区（EEPROM中） | | | 0x0000 |  | | | | P00.00 | | | | | | |  | | | | |
| 0x0001 | P00.01 | | | | | | |  | | | | |
| … | … | | | | | | |  | | | | |
| 0x0100 | P01.00 | | | | | | |  | | | | |
| 0x0101 | P01.01 | | | | | | |  | | | | |
| … | … | | | | | | |  | | | | |
| 0x0200 | P02.00 | | | | | | |  | | | | |
| 0x0201 | P02.01 | | | | | | |  | | | | |
| … | … | | | | | | |  | | | | |
| 0x0D00 | P13.00 | | | | | | |  | | | | |
| 0x0D01 | P13.01 | | | | | | |  | | | | |
| … | … | | | | | | |  | | | | |
| **注：** | | | | | | | | | | | | | | |  | | | | |
| **1.Modbus协议。仅支持RTU模式，不支持ASCII模式。** | | | | | | | | | | | | | | |  | | | | |
| **2.Modbus保持寄存器地址,与变频器参数的对应规律：保持寄存器的高8位地址（16进制)，对应于变频器参数的组索引;低8位地址对应于参数组内编号。例如,16进制的保持寄存器地址0x0c14,对应于变频器参数P12.20（第12组，第20号参数，PWM模式）。** | | | | | | | | | | | | | | |  | | | | |
|  | |  | | | | | |  | | | | | | | |  | |  | |
|  | | **Modbus保持寄存器地址-变频器应用功能对应表** | | | | | | | | | | | | |  | | | | |
| usRegHoldingBuf[] | | Modbus保持寄存器地址 | | Modbus485操作命令 | | | | | | 功能说明 | | | |  | | | | |
| Hex | Bit | | | | 7 | 6 | 5 | | 4 | 3 | 2 | 1 | 0 | | | |
|  | Function | | | |  |  |  | |  |  |  |  |  | | | |
| 0x0001 | Stop Command | | | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 1 | | | |
| 0x0002 | Start Command | | | | 0 | 0 | 0 | | 0 | 0 | 0 | 1 | 0 | | | |
| 0x0010 | Forward Command | | | | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 0 | | | |
| 0x0020 | Reverse Command | | | | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | | | |
| 0x0030 | Change direction | | | | 0 | 0 | 1 | | 1 | 0 | 0 | 0 | 0 | | | |
| 0x0040 | Reset One Error | | | | 0 | 1 | 0 | | 0 | 0 | 0 | 0 | 0 | | | |
| 0x0080 | Reset all Error | | | | 1 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | | | |
| 0 | | 0x2000(8192) | | bit 1:0 | | | | | | b00:无功能 No function | | | | struct sAPP\_CMD实例：ModbusAppCmd | | | | |
| b01:停机命令Stop command | | | |
| b10:启动命令 Start command | | | |
| b11:寸动（点动)命令 | | | |
| bit 3:2 | | | | | | 保留reserve | | | |
| bit 5:4 | | | | | | b00:无功能 No function | | | |
| b01:正向命令Forward command | | | |
| b10:反向命令Reverse command | | | |
| b11:改变方向 Change direction | | | |
| bit 7:6 | | | | | | b00:无功能No function | | | |
| b01:复位一个出错标志Reset Error | | | |
| b10:复位全部出错标志 | | | |
| b11:保留 reserved | | | |
| 1 | | 0x2001(8193) | | Modbus485频率命令 | | | | | | x0.1HZ Frequency command | | | |
| 2 | | 0x2002(8194) | | Modbus485加速时间 | | | | | | x0.1秒 Acceleration time in 0.1s | | | |  | | | | |
| 3 | | 0x2003(8195) | | Modbus485减速时间 | | | | | | x0.1秒Deacceleration time on 0.1s | | | |
| 4 | | 0x2004(8196) | |  | | | | | |  | | | |
| 5 | | 0x2005(8197) | |  | | | | | |  | | | |
| 6 | | 0x2006(8198) | |  | | | | | |  | | | |
| 7 | | 0x2007(8199) | |  | | | | | |  | | | |  | | | | |
| 8 | | 0x2008 (8200) | | ErrorFlag | | | | | | 出错代码 | | | | 只读 Read Only | | | | |
| 9 | | 0x2009 (8201) | | Ms | | | | | | 变频器内部状态 | | | |  | | | | |
| 10 | | 0x200A (8202) | | AimFreq | | | | | | 目标频率 Target Frequency | | | |  | | | | |
| 11 | | 0x200B (8203) | | RunFreq | | | | | | 输出频率 Output Freuqncy | | | |  | | | | |
| 12 | | 0x200C (8204) | | OutCurre | | | | | | 输出电流Output Current | | | |  | | | | |
| 13 | | 0x200D (8205) | | RunVolt | | | | | | 输出电压Output Voltage | | | |  | | | | |
| 14 | | 0x200E (8206) | | MainLineVolt | | | | | | 母线电压Bus voltage | | | |  | | | | |
| 15 | | 0x200F (8207) | | SpSeg | | | | | | 多段速段数 | | | |  | | | | |
| 16 | | 0x2010 (8208) | | AccDecFlag | | | | | |  | | | |  | | | | |
| 17 | | 0x2011 (8209) | | AccTime | | | | | | 当前加速时间Current Acceleration time | | | |  | | | | |
| 18 | | 0x2012 (8210) | | DecTime | | | | | | 当前减速时间Current Deacceleration time | | | |  | | | | |
| 19 | | 0x2013 (8211) | | AdvAin1 | | | | | | 外部模拟量1之AD值(10bit) | | | |  | | | | |
| 20 | | 0x2014 (8212) | | AdvAin2 | | | | | | 外部模拟量2之AD值(10bit) | | | |  | | | | |
| 21 | | 0x2015 (8213) | |  | | | | | | X1-X8状态 | | | |  | | | | |
| 22 | | 0x2016 (8214) | | Flash\_reg | | | | | |  | | | | LED\_OBJ\_MAP\_ADDR | | | | |
| 23 | | 0x2017 (8215) | | Dot\_reg | | | | | |  | | | |  | | | | |
| 24 | | 0x2018 (8216) | | DecodeReg | | | | | |  | | | |  | | | | |
| 25 | | 0x2019 (8217) | | LedBuf[ 0] | | | | | |  | | | |  | | | | |
| 26 | | 8218 | | LedBuf[ 1] | | | | | |  | | | |  | | | | |
| 27 | | 8219 | | LedBuf[ 2] | | | | | |  | | | |  | | | | |
| 28 | | 8220 | | LedBuf[ 3] | | | | | |  | | | |  | | | | |
| 29 | | 8221 | | LedBuf[ 4] | | | | | |  | | | |  | | | | |
| 30 | | 8222 | | LedBuf[ 5] | | | | | |  | | | |  | | | | |
| 31 | | 8223 | | LedBuf[ 6] | | | | | |  | | | |  | | | | |
| 32 | | 8224 | | LedBuf[ 7] | | | | | |  | | | |  | | | | |
| 33 | | 8225 | | Unique\_IDSum | | | | | | CPU唯一ID之特征码 | | | |  | | | | |
| 34 | | 8226 | | MakeKey/BreakKey | | | | | |  | | | | KEY\_OBJ\_MAP\_ADDR | | | | |
| 35 | | 8227 | | KeyMap | | | | | |  | | | |  | | | | |
| 36 | | 8228 | | Adv1 | | | | | | 面板电位器1之AD值(10bit) | | | |  | | | | |
| 37 | | 8229 | | Adv2 | | | | | | 面板电位器2之AD值(10bit) | | | |  | | | | |
| 38 | | 8230 | | Reversed | | | | | |  | | | |  | | | | |
| 39 | | 8231 | | Islegal | | | | | | 版本标志 | | | |  | | | | |
| 40 | | 8232 | |  | | | | | |  | | | |  | | | | |
| 41 | | 8233 | |  | | | | | |  | | | |  | | | | |
| 42 | | 8234 | |  | | | | | |  | | | | SprtterRunCmd | | | | |
| 43 | | 8235 | |  | | | | | |  | | | | eSpatterStatus | | | | |
| 44 | | 8236 | |  | | | | | |  | | | | SpatterPosition | | | | |
| 45 | | 8237 | |  | | | | | |  | | | |  | | | | |
| 46 | | 8238 | |  | | | | | |  | | | |  | | | | |
| 47 | | 8239 | |  | | | | | |  | | | |  | | | | |
| 48 | | 8240 | |  | | | | | |  | | | | struct sAPP\_CMD实例：SplcAppCmd | | | | |
| 49 | | 8241 | |  | | | | | |  | | | |
| 50 | | 8242 | |  | | | | | |  | | | |
| 51 | | 8243 | |  | | | | | |  | | | |
| 52 | | 8244 | |  | | | | | |  | | | |
| 53 | | 8245 | |  | | | | | |  | | | |
| 54 | | 8246 | |  | | | | | |  | | | |
| 55 | | 8247 | |  | | | | | |  | | | |
| 56 | | 8248 | |  | | | | | |  | | | | struct sAPP\_CMD实例：SysAppCmd | | | | |
| 57 | | 8249 | |  | | | | | |  | | | |
| 58 | | 8250 | |  | | | | | |  | | | |
| 59 | | 8251 | |  | | | | | |  | | | |
| 60 | | 8252 | |  | | | | | |  | | | |
| 61 | | 8253 | |  | | | | | |  | | | |
| 62 | | 8254 | |  | | | | | |  | | | |
| 63 | | 8255 | |  | | | | | |  | | | |
| 64 | | 8256 | |  | | | | | |  | | | | struct sAPP\_CMD实例：ExAppCmd | | | | |
| 65 | | 8257 | |  | | | | | |  | | | |
| 66 | | 8258 | |  | | | | | |  | | | |
| 67 | | 8259 | |  | | | | | |  | | | |
| 68 | | 8260 | |  | | | | | |  | | | |
| 69 | | 8261 | |  | | | | | |  | | | |
| 70 | | 8262 | |  | | | | | |  | | | |
| 71 | | 8263 | |  | | | | | |  | | | |
| 72 | | 8264 | |  | | | | | |  | | | |  | | | | |
| 73 | | 8265 | |  | | | | | |  | | | |  | | | | |
| 74 | | 8266 | |  | | | | | |  | | | |  | | | | |
| 75 | | 8267 | |  | | | | | |  | | | |  | | | | |