MODBUS常用功能码备查

 表1 ModBus功能码

功能码         名称                                     作用

**01         读取线圈状态            取得一组逻辑线圈的当前状态（ON/OFF)**

**02         读取输入状态            取得一组开关输入的当前状态（ON/OFF)**

**03         读取保持寄存器        在一个或多个保持寄存器中取得当前的二进制值**

**04         读取输入寄存器        在一个或多个输入寄存器中取得当前的二进制值**

**05         强置单线圈               强置一个逻辑线圈的通断状态**

**06         预置单寄存器           把具体二进值装入一个保持寄存器**

**15         强置多线圈               强置一串连续逻辑线圈的通断**

**16         预置多寄存器      把具体的二进制值装入一串连续的保持寄存器**

表2 ModBus功能码与数据类型对应表

代码        功能            数据类型                                             对应地址

**01          读            位                                                        0000X**

**02          读            位                                                        1000X**

**03          读            整型、字符型、状态字、浮点型             4000X**

**04          读            整型、状态字、浮点型                             3000X**

**05          写            位                                                        0000X**

**06          写            整型、字符型、状态字、浮点型             4000X**

**15          写            位                                                        0000X**

**16          写            整型、字符型、状态字、浮点型             4000X**