Honeywell

MCM-23 SUPER II

用户手册

1. 装箱清单

拆封时请检查包装盒内的部件是否齐全。

部件名称	数量
MCM-23 SUPER II	1
天线	1
手册	1
合格证	1

若出现配件缺失，请及时与经销商联系。

2. 概述

MCM-23 SUPER II 是 23XX 系列主机的功能扩展模块，可以通过 GPRS 和 SMS 两种通信方式，将 23XX 系列主机监测到的警情无线上报给接警中心或用户。

系统特点

* 支持 GPRS 无线网络，采用 AES-128Bit 加密，通信更安全。
* 短消息报警提示，用户可及时获取警情报告，支持 2 个手机用户号码。
* 多种报警方式可选（短信和 GPRS）。
* 支持界面参数配置。
* 支持短信布/撤防。
* 支持双中心方案。

3. 安装与操作

正面图与背面图

下图为 MCM-23 SUPER II 的正面图和背面图：

图 1 正面图
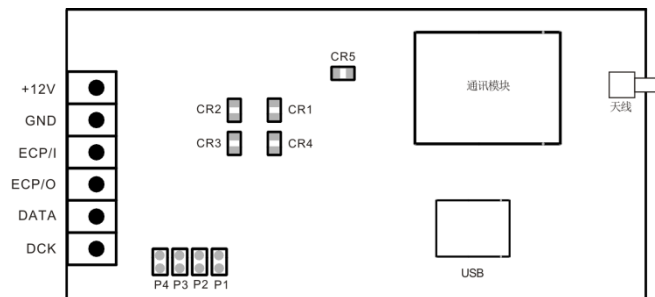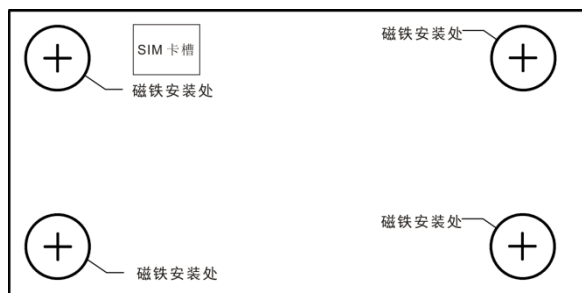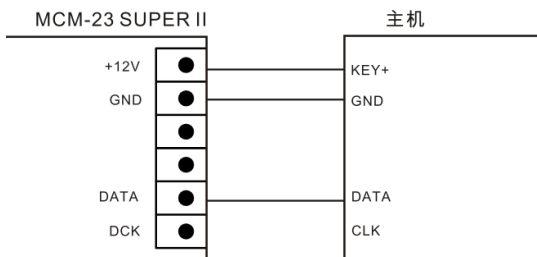

图 2 背面图

接线

按照以下步骤安装 MCM-23 SUPER II：

1. 如*图 1* 和*图 2* 所示，分别插入 SIM 卡和天线。
2. 按照下图将 MCM-23 SUPER II 和 23XX 系列主机相连：

注意：若主机有 CLK 接口，则将其与 MCM-23 SUPER II 的 DCK 接线端子接线。

选择安装位置

如*图 1* 所示，不接 P1 和 P2 跳帽，然后上电，若 CR1 指示灯闪烁，说明进入信号检测模式。根据指示灯状态查看信号强度。CR2、CR3、CR4 三个指示灯的状态显示信号强度：

* 若只有 1 个指示灯亮，信号为"弱"；
* 若其中 2 个指示灯亮，信号为"中"；
* 若其中 3 个指示灯亮，信号为"强"。

建议将主机安装于信号强的地点。

若 CR1、CR2、CR3、CR4 四个指示灯同时闪烁，表示该模块为非法模块，模块不工作。

跳帽设置

SUPER 系列主机跳帽设置：

如*图 1* 所示，若 MCM-23 SUPER II 安装于 SUPER 系列主机，跳帽设置如下：

P1	P2	P3	P4	描述
ON	ON	OFF	OFF	同时与接警中心 1 和 2 连接，详细配置参考主机的用户手册。
ON	OFF	OFF	OFF	只连接 1 个接警中心，详细配置参考主机用户手册中 1#MCM-23 SUPER 的相关配置。
OFF	ON	OFF	OFF	只连接 1 个接警中心，详细配置参考主机用户手册中 2#MCM-23 SUPER 的相关配置。

非 SUPER 系列主机跳帽设置：

如*图 1* 所示，若 MCM-23 SUPER II 安装在非 SUPER 系列主机，跳帽设置如下：

P1	P2	P3	P4	描述
ON	ON	ON	OFF	同时与接警中心 1 和接警中心 2 连接。
ON	OFF	ON	OFF	只与接警中心 1 连接。
OFF	ON	ON	OFF	只与接警中心 2 连接。

注意：MCM-23 SUPER II 安装在非 SUPER 系列主机时，在接警中心显示对应的设备名称为 MCM-23。

恢复出厂值（仅针对非SUPER系列主机）：

上电前安装 P4 跳帽，上电后，取下 P4 跳帽。

默认出厂值如下：

* 主机类型：4
* 安装员码：012345
* 工作方式：000000（短信、GPRS 均关闭）
* 所有电话号码全为零
* 键盘地址：06，07
* GPRS 心跳时间：30 秒

指示灯说明

如*图 1* 所示，正常工作时的指示灯说明如下：

指示灯	状态	说明
CR1	常亮	与主机连接正常
	熄灭	与主机连接异常
CR2	常亮	与接警中心 1 连接
CR3	常亮	与接警中心 2 连接
CR4	闪烁	正常运行
	快速闪烁	信号弱
CR5	常亮	电源指示灯

4. 报告短信与配置

报告短信格式

当有需要通过短信发送的报告产生时，MCM-23 SUPER II 会将报告短信发送给指定手机号码用户。报告短信的事件内容和说明如下：

表 1 报告短信描述

事件	说明
医疗救护	医疗救护报警
火警	火警
匪警	匪警
防区报警	防区报警，后面的数字为防区号。
用户劫持	劫持，后面的数字为用户号。
用户撤防	用户撤防，后面的数字为用户号。
用户布防	用户布防，后面的数字为用户号。
交流掉电	主机交流掉电
电池电压低	主机电池电压低
网络通讯故障	MCM-23 SUPER II 与服务器连接异常，后面的数字为接警中心号。
网络故障恢复	MCM-23 SUPER II 与服务器连接恢复，后面的数字为接警中心号。

报告短信格式为"事件：防区号或用户号"。

例：若 1 号用户布防，则发送短信内容为"用户布防：1"。

短信布防/撤防

使用绑定手机号码的手机发送短信到 MCM-23 SUPER II 可布防和撤防主机：

* **布防**：发送短信内容为"布防+用户密码"。例如：若用户密码是"1234"，发送短信内容为"布防1234"。
* **撤防**：发送短信内容为"撤防+用户密码"。例如：若用户密码是"1234"，发送短信内容为"撤防1234"。

配置

通过配置软件升级和配置 MCM-23 SUPER II。

中国RoHS

根据信息产业部等部委颁布的《电子信息产品污染控制管理办法》及相关标准的要求，本产品的相关信息如下：

产品中有毒有害物质或元素的名称及含量见下表：

部件名称	有毒有害物质或元素					
	铅(Pb)	汞(Hg)	镉(Cd)	六价铬(Cr(VI))	多溴联苯(PBB)	多溴二苯醚(PBDE)
印刷电路板组件	O	O	O	O	O	O
线缆	O	O	O	O	O	O
螺丝组件	O	O	O	O	O	O

O: 表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T11363-2006 标准规定的限量要求以下。

X: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求。

霍尼韦尔安防，您值得信赖的安防合作伙伴

Honeywell Security

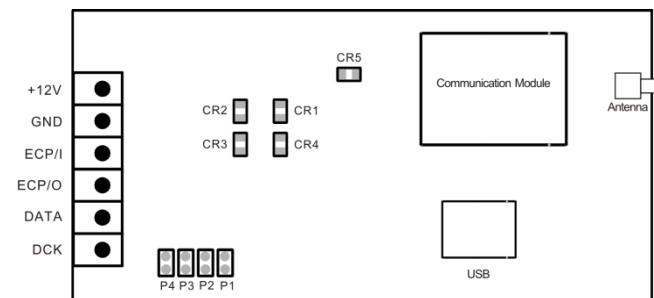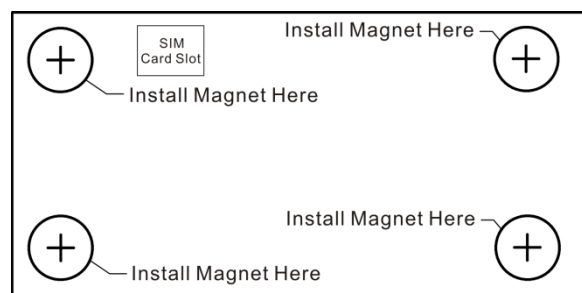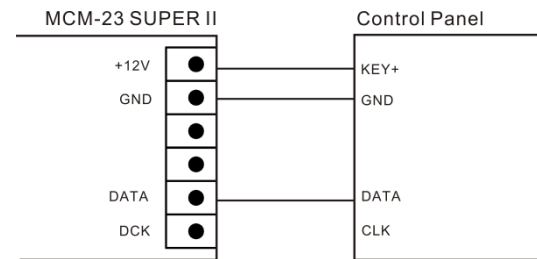## Wiring

Perform the following steps to install MCM-23 SUPER II:

1. See *Figure 1* and *Figure 2*, insert the SIM card and antenna.
2. Wire the MCM-23 SUPER II and the 23XX Control Panel according to the following figure:

MCM-23 SUPER II		Control Panel
+12V	●	KEY+
GND	●	GND
	●	
	●	
DATA	●	DATA
DCK	●	CLK

Note: If the control panel has CLK terminal, wire it with the DCK terminal of MCM-23 SUPER II.

Select the Installation Location

Do not put the jumpers on P1 and P2 (see *Figure 1*). Power up and the CR1 indicator flashes, indicating that the system is in signal test mode. Check the signal strength according to the status of the indicators. Indicators CR2, CR3 and CR4 show the strength of the signal:

- The signal strength is "low" if only one of the indicators is on;
- The signal strength is "middle" if two of the indicators are on;
- The signal strength is "high" if all the three indicators are on.

It is recommended that the signal strength of the installation location should be "high".

If indicators CR1, CR2, CR3 and CR4 flash simultaneously, it means the module is illegal and it cannot work.

Jumper Settings

Jumper Settings for SUPER Series Control Panel

Follow this table to set the jumpers if the MCM-23 SUPER II is installed on SUPER series control panel (see *Figure 1*).

P1	P2	P3	P4	Description
ON	ON	OFF	OFF	Connected with CMS 1and CMS 2 simultaneously. Refer to the installation guide of the control panel for configuration.
ON	OFF	OFF	OFF	Only connected with one CMS. Refer to "1#MCM-23 SUPER" in the installation guide of the control panel for configuration.
OFF	ON	OFF	OFF	Only connected with one CMS. Refer to "2#MCM-23 SUPER" in the installation guide of the control panel for configuration.

The MCM-23 SUPER II obtains all the communication parameters from the control panel upon power-up.

Jumper Settings for Non-SUPER Series Control Panel

Follow this table to set the jumpers if the MCM-23 SUPER II is installed on non-SUPER series control panel (see *Figure 1*).

P1	P2	P3	P4	Description
ON	ON	ON	OFF	Connected with CMS 1 & CMS 2 simultaneously.
ON	OFF	ON	OFF	Only connected with CMS 1.
OFF	ON	ON	OFF	Only connected with CMS 2.

Note: If the MCM-23 SUPER II is installed on non-SUPER series control panel, the device name is displayed as MCM-23 on the CMS.

Restore Default Settings (For Non-SUPER Series Control Panel)

Place the jumper on P4, power up the control panel, and then cut the jumper. Refer to the following list for the default settings:

- Type of the control panel: 4
- Installer code: 012345
- Work mode: 000000 (both SMS and GPRS are off)
- All the cell phone numbers are zero
- Keyboard address: 06, 07
- GPRS heartbeat: 30s

LED Indicators

Refer to the following table for the descriptions of LED indicators (see *Figure 1*):

LED Indicators	Status	Description
CR1	On	Normal connection with the control panel
	Off	Abnormal connection with the control panel
CR2	On	Connected with CMS 1
CR3	On	Connected with CMS 2
CR4	Flash	Run normally
	Quick flash	The signal is weak
CR5	On	Power supply

4. Report Message & Configuration

Report Message Format

When there is a report which should be sent as a short text message, MCM-23 SUPER II will send the report message to the assigned mobile phone. The contents of the event and the description are listed as below：

Table 1 Report Message

Event	Description
MED ALM	Medical aid alarm
FIR ALM	Fire alarm
POL ALM	Police alarm
ZNE ALM	Zone alarm (the number after the event indicates the zone number)
USR DUR	User duress (the number after the event indicates the user number)
USR DRM	User disarming (the number after the event indicates the user number)
USR ARM	User arming (the number after the event indicates the user number)
AC LOSS	Alternating current loss of control panel
LOW BAT	Low battery of control panel
Network Communication Error	Abnormal connection with the server (the number after the event indicates the CMS number)
Network Communication Recovery	Connection with server recovers (the number after the event indicates the CMS number)

Report message format is "Event: Zone ID or User ID".

Example:

Arming by user of number 1, the report message is "USR ARM: 1".

Arm/Disarm

To arm or disarm the control panel, send text message to MCM-23 SUPER II with the binding phone number:

- **Arm**: The text message is "Arm + password". For example, if the password is "1234", the text message to be sent is "Arm1234".
- **Disarm**: The text message is "Disarm + password". For example, if the password is "1234", the text message to be sent is "Disarm1234".

Configuration

Configure and update MCM-23 SUPER II with the configuration software.

Honeywell Security, Your Partner of Choice

Honeywell Security

Honeywell Security Asia Pacific
35F Tower A, City Center, 100 Zun Yi Road, Shanghai 200051, China
TEL :+86 21-22196888
FAX : +86 21-62370740