CBR ELECTRIC

Printed in China
Item Code
1134101010000

电流式超载智能检测系统
安装使用说明书

浙江卡巴尔电气有限公司

保修

品质保证
卡巴尔公司保证本产品出厂时，完全符合其所公布的各项规格，只要适当的安装，都可以正常使用，但是本公司产品并不保证它的操作是毫无中断或零错误。

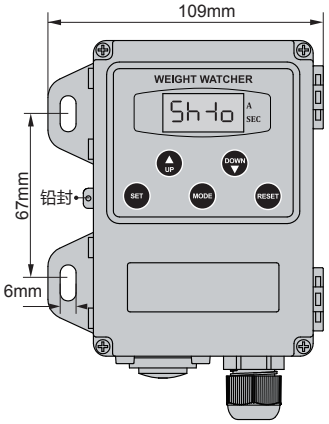
保修期间
本产品自出厂日起享有一年的保修期，保证客户在一年内不会有任何产品上的问题，若在保修期内，只要证明产品品质有瑕疵，本公司愿意维修。任何需要维修的产品，都必须送往本公司指定的服务处，该客户必须负担产品运往服务处的单程运费，而卡巴尔公司的服务处在保证期间内将会负担回程费用，寄还该产品。

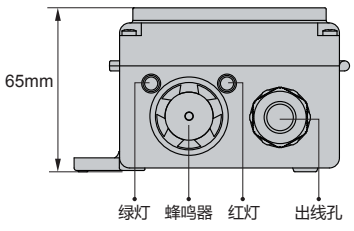
注意事项

- 未经专业训练的人员，不得随意拆开本机器，否则可能损坏及造成人员受伤。
- 安装时，电缆线需要根据产品安装位子，绕开易夹断、尖锐处。
- 使用过程中需要定期的检查设备是否完好。

产品简介

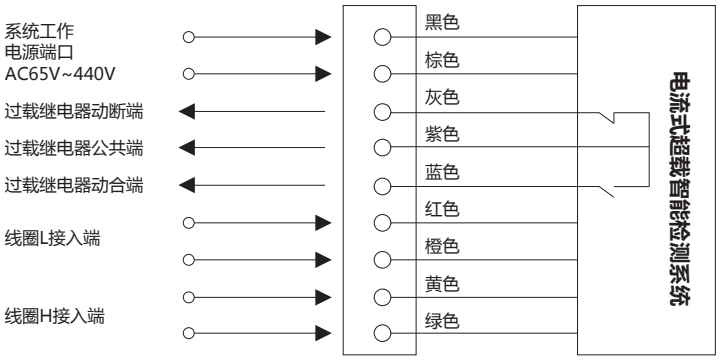
此超载限制器是为了保护三相电动机的机械免超负荷而特别设计制作的固定性保护装置。当外部受到机械性超负荷或冲击负荷时，电机的电流会上升，这时电流互感器（C.T）检验出二次电流与设定的基准值相比较，超过设定值时判断为超负荷，这时继电器动作确认过载立即切断操作电源，同时警报蜂鸣器作响，警示灯闪烁，提醒操作者机器过载。它是可靠性很高的过载防护装置。





A	安培	MODE	功能选项
SEC	秒	RESET	取消
UP	上翻	绿灯	工作指示灯
DOWN	下翻	红灯	报警灯
SET	设置/确认		

控制器接口简介



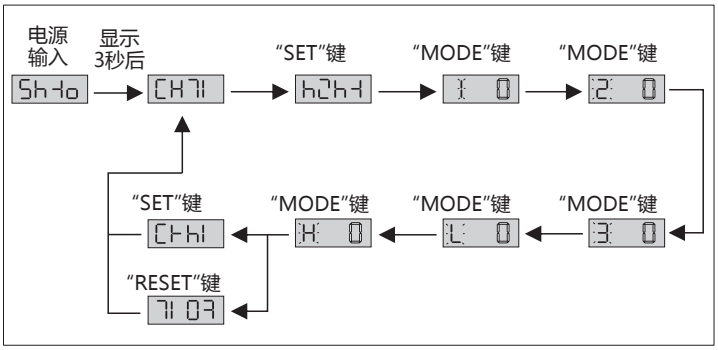
性能参数

输入电压	AC65V~440V
负载电流	0.5~99.9A
启动时间	0.1~25秒
缓冲时间	0.1~25秒
过载动作时间	0.1~25秒
节点输出	AC250V10A
正常温度	-25~60℃

操作流程

1. 上电后，数码管显示 Sh10 闪烁3秒后至 CH71 界面；
2. 拨动“K10”按键至“ON”处，长按“SET”键，数码管显示 h2h1 一下并且跳到 I 0 界面并闪烁，此时，通过按“UP”、“DOWN”键来设置启动时间；
3. 拨动“K10”按键至“OPEN”处，长按“SET”键，数码管显示 h2h1 到 I 0 并闪烁，按“MODE”键至 2 0 置缓冲时间；
4. 拨动“K10”按键至“OPEN”处，长按“SET”键，数码管显示 h2h1 跳到 I 0 面并闪烁，按“MODE”键至 3 0 设置过载动作时间；
5. 报警电流值设定：
   拨动“K10”按键至“OPEN”处，长按“SET”键，数码管显示 h2h1 且跳到 I 0 闪烁继续按“MODE”键至 L 0 L模式的电流值；
6. 拨动“K10”按键至“OPEN”处，长按“SET”键，数码管显示 h2h1 跳到 I 0 面并闪烁按“MODE”键至 H 0 设置H模式的电流值。
7. 保存/取消设置：
   设定完成后，再次按下“SET”键保存当前设置，按“RESET”键取消当前设置。
8. 为防止误操作，请设置完后将“K10”按键拨至“OFF”处。

设置简图



显示说明

显示	功能名称	初始时间	设置时间范围	设置单位时间
I 0	冲击时间	0.5秒	0.1~25秒	0.1秒
2 0	开始时间	0.5秒	0.1~25秒	0.1秒
3 0	复位时间	1.0秒	0.1~25秒	0.1秒
L 0	“L”模式设置电流	电机额定电流量	通过电机设置的额定单元量进行设置	
H 0	“H”模式设置电流	电机额定电流量		

显示	功能名称	内容
CH71	输入电源状态	表明产品已经准备好了
L 00	“L”模式电机超载状态	表明在“L”模式下，电机超载
H 00	“H”模式电机超载状态	表明在“H”模式下，电机超载
L250	在“L”模式下操作的状态	表明在“L”模式下，电机电流量
H250	在“H”模式下操作的状态	表明在“L”模式下，电机电流量

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LOAD LIMITER
OPERATION MANUAL

CBR ELECTRIC CO.,LTD

Warranty

Quality Assurance
CBR guarantees that this product is fully compliant with its published specifications when it leaves the factory. As long as it is properly installed, it can be used normally. However, the company's products do not guarantee that its operation is uninterrupted or zero error.

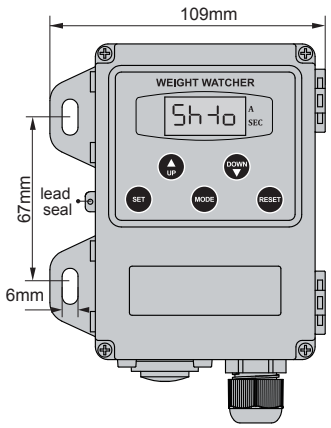
Warranty period
This product has a one-year warranty period from the factory date to ensure that the customer will not have any product problems within one year. If the product is approved to be defective in the warranty period, the company will repair it. Any product that needs repair must be sent to the company's designated service center. The customer should bear the shipping cost of the product to the service office, and the CBR company's service office will bear the return charge during the warranty period and send it back

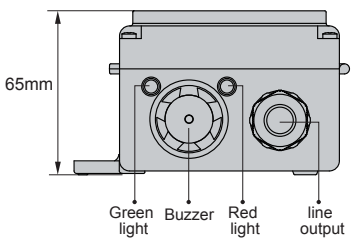
Note

- Untrained personnel should not disassemble the machine at will, otherwise it may be damaged and cause personal injury.
- During installation, the cable needs to be positioned around the product to prevent pinching or sharpening.
- Regular inspection of the equipment is required during use.

Product introduction

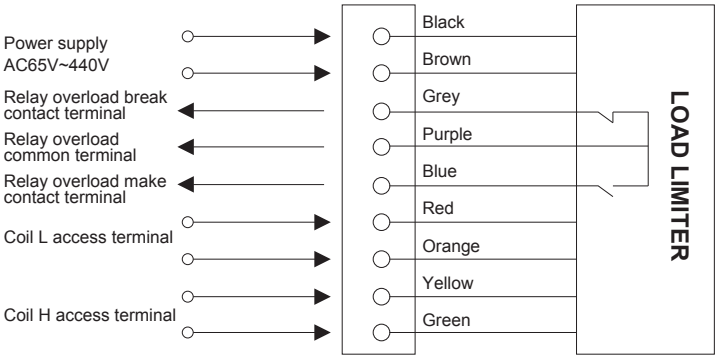
This overload limiter is a fixed protection device specially designed to protect the mechanical overload of the three-phase motor. When the external mechanical overload or impact load, the motor current will increase, then the current transformer (CT) detects the secondary current and compare it with the set value, when the set value is exceeded, it is judged to be overloaded. At this time, the overload of the relay is confirmed to immediately cut off the power supply. At the same time, the alarm buzzer sounds and the warning light flashes to remind the operator that the machine is overloaded. It is a highly reliable overload protection device.





A	Ampere	MODE	Function key option
SEC	Second	RESET	Cancel
UP	Flip up	Green light	Working indicator light
DOWN	Flip down	Red light	Alarm light
SET	Setting /OK		

Interface description



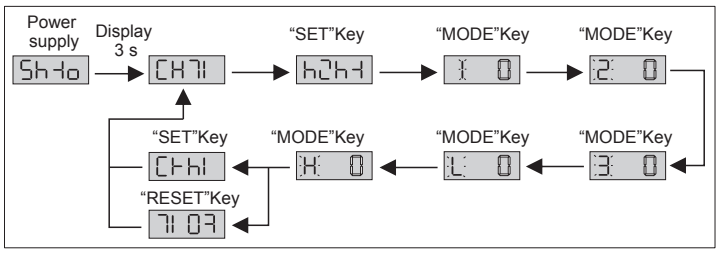
Technical parameter

Input voltage	AC65V~440V
load current	0.5~99.9A
Starting time	0.1~25 S
Buffering time	0.1~25 S
Overload actuation time	0.1~25 S
Node output	AC250V10A
Working temperature	-25~60℃

Operating process

1. After power is on, the digital tube will display Sh-to, after blinks 3 seconds, and it will skip to the CH 71 interface
2. Move the "K10" key to the "on" position , and long press "SET" key, the digital tube will display h2h-1 a time, skips to 1 0 interface and keep flashing, and than set the starting time by pressing the "up" key or "down" key.
3. Move the "K10" key to the "OPEN" position , long press "SET" key, the digital tube will display h2h-1 a time, skips to 1 0 interface and keep flashing . press "MODE" key until the 2: 0 interface displays, and than set the buffering time.
4. Move the "K10" key to the "OPEN" position , long press "SET" key, the digital tube will display h2h-1 a time, and skips to 1 0 interface and keep flashing. press "MODE" key until the 3: 0 interface displays, and than set the overload actuation time.
5. Setting the alarm current value
   Move the "K10" key to the "OPEN" position , long press "SET" key, the digital tube will display h2h-1 a time, and skips to 1 0 interface and keep flashing. press "MODE" key until the L: 0 interface displays, and than set the current value under L mode.
6. Move the "K10" key to the "OPEN" position , long press "SET" key, the digital tube will display h2h-1 a time, and skips to 1 0 interface and keep flashing. press "MODE" key until the H: 0 interface displays, and than set the current value under H mode.
7. After setting, press the "set" key again and save the current setting, and press the "reset" button to cancel the current setting
8. To prevent the misoperation, please move the "K10" key to "off" position after setting.

Diagrammatic sketch



Display instructions

Display code	Function	Initial time	Time setting range	Setting unit
1 0	Attack time	0.5 S	0.1~25 S	0.1 S
2: 0	Start time	0.5 S	0.1~25 S	0.1 S
3: 0	Reset time	1.0 S	0.1~25 S	0.1 S
L: 0	Setting the current in "L"mode	Motor rated current	Setting by rated unit value of the motor setting	
H: 0	Setting the current in the "H"mode	Motor rated current		

Display code	Function name	Content
CH 71	Input power state	It indicates it is ready
L: 00	The motor overload state in the "L" mode	It indicates that the motor is overloaded under "L" mode
H: 00	Motor overload state in the "H" mode	It indicates that the motor is overloaded under "H" mode
L:250	Operating status under "L" mode	The motor current under the "L" mode
H:250	The operation status under "H" mode	The motor current under the "H"mode

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