



热过载继电器  
Thermal Overload Relay

Type		
CJR3-13	CJR3-13Q	CJR3-240
CJR3-25	CJR3-25Q	CJR3-450
CJR3-25-AN	CJR3-25Q-AN	CJR3-240H
		CJR3-450H

请注意此使用说明书必须送至最终用户和维修责任者手中保管。  
This manual should be given to the person who actually uses the products and is responsible for their maintenance.

Table 1

热过载继电器型号 Thermal overload relay (TOR)	可组合的交流接触器型号 Type of contactor on which TOR can be mounted	可组合的独立安装单元 Type of separate mounting unit on which TOR can be mounted
CJR3-13, 13Q	CK3-09F, 12F, 09F/G, 12F/G	FSZ-HB
CJR3-25-AN, 25Q-AN	CK3-18F, 25F, 18F/G, 25F/G	
CJR3-25, 25Q	CK3-09, 12, 18, 25 CK3-09/G, 12/G, 18/G, 25/G	FSZ-HCE
CJR3-240	CK3-220	—
CJR3-450	CK3-300, CK3-400	—
CJR3-240H, 450H	—	不要 / Unnecessary

Table 2

A [mm]	B [mm]
20	10

**安全注意事项**

在安装、运行、保养和维修前必须熟读使用说明书，以保证正确使用。

使用说明书中对安全注意事项区分为“警告”、“注意”两个等级。

**警告**：不解除的话，有可能造成死亡或重伤的危险状态。

**注意**：不解除的话，有可能造成中等程度的残疾，轻伤以及发生物质损伤事故。

并且，即使在**注意**中记载的事项根据情况也有可能导致发生重大事故，所以记载内容都很重要，请务必遵守。

**警告**

- 请不要触摸和靠近通电中的产品，因有触电、灼伤的危险。
- 维修、检验请在切断电源后进行，因有触电的危险。

**注意**

- 因为有引发灼伤、火灾的可能，所以请确保说明书上规定的安装空间。
- 因为有引发火灾的可能，所以请在接线时按额定电压、通电电流选用符合规范尺寸的电线，紧固螺钉按照使用说明书规定的力矩紧固。
- 请不要在切断电源后立即触摸产品，因为余热可能会导致灼伤。
- 产品废弃时需按产业废弃物处理。
- 因有引发触电、灼伤的可能，请不要在拆下 CJR3-240 CJR3-450 的电流互感器的情况下使用。

1. 解开包装

- (1) 请确认产品型号、适用容量与要求的规格是否一致。
- (2) 请检查是否有由于运输等原因而引起的零部件松动或破损现象。

2. 保管

请避免高温多湿、有腐蚀性气体及日光直射的场所，以原包装的状态进行保管。

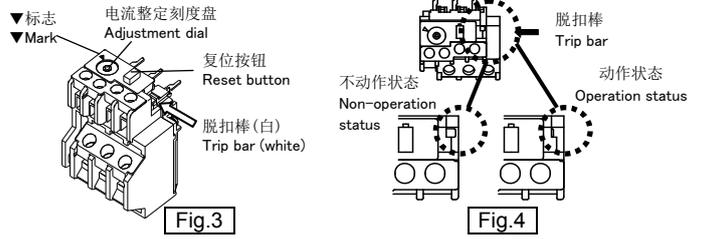
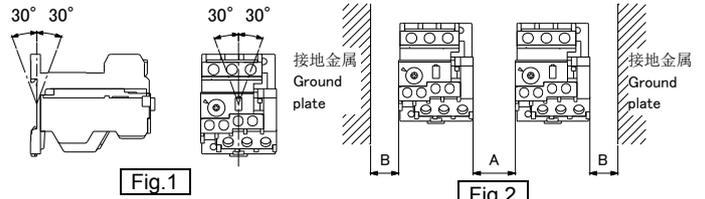
3. 安装

- (1) 请安装于干燥、洁净、牢固的场所。
- (2) 请垂直安装。允许倾斜角度在 30° 以内。(Fig.1)
- (3) 可与热继电器组合的交流接触器、独立安装单元的型号请参照 Table 1。

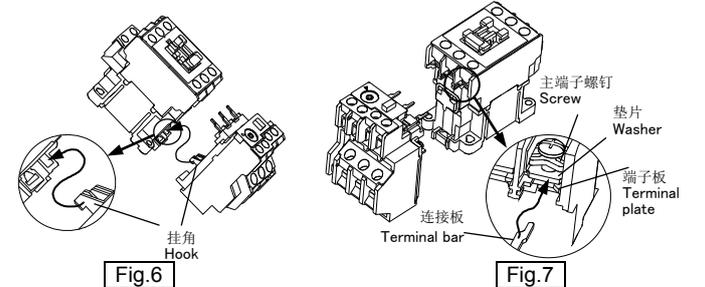
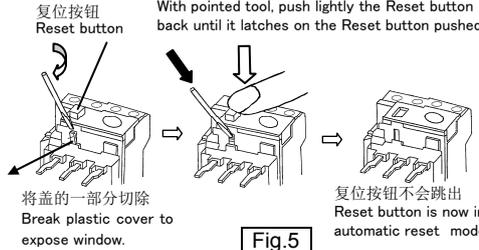
4. 安装空间

安装间隙需在 Table 2 尺寸以上。

(Fig. 2 是 CJR3-25 与 FSZ-HCE 组合的场合)



复位按钮  
Reset button  
脱扣棒(白)  
Trip bar (white)



**Safety Precautions**

To ensure proper use of the product, be sure to read this manual and the other attached documents carefully before starting installation, operation, maintenance and inspection. Within this instruction manual, safety precautions are ranked, in order of importance, as either "Warning" or "Caution".

- WARNING** Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
- CAUTION** Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury and/or damage to the equipment. Under certain conditions, improper operation may result in serious injury and/or damage even if it is labeled only as "Caution". Every item indicated by either "Warning" or "Caution" should be considered significant. Be sure to give particular care to those items.

**WARNING**

- Do not touch the product or approach it when power connected. Electric shock or burns may result.
- Turn off the power before starting maintenance or inspection. Failure to do so may result in electric shock.

**CAUTION**

- Install the product in space more than being provided by this manual. Failure to do so may result in fire or burns.
- For wiring, select wire size suitable for the applied voltage and current. Burns may result. Tighten wires with the tightening torque specified in the instruction manual. Failure to do so may result in fire.
- Do not touch the product immediately after the power is turned off. As it may still be hot, burns may result.
- Treat the product as industrial waste when discarding.
- Do not use the product after moving CT coil wire of TOR types CJR3-240 and CJR3-450. Electric shock may result.

1. Unpacking

- (1) Check that the type and rating match the requested specifications.
- (2) Make sure that no parts have been lost or damaged.

2. Storage

Store the unit in the packing box. Do not store the packing box in a location subject to high temperature, high humidity, corrosive gas, or direct sunlight.

3. Mounting

- (1) Mount in a dry, clean and stable location.
- (2) Mounting on a vertical surface. The product must not incline more than 30°. (Fig.1)
- (3) See the Table 1 combination of contactor and thermal overload relay (TOR).

4. Mounting space

Mount the products at a distance of at least that shown in the Table 2. (Fig. 2 ex. Combination of type CJR-25 and FSZ-HCE)

