

Overcurrent alarm

With external sensor, Overcurrent alarm, corresponding type to high current, 5A ~ 200A programmable system

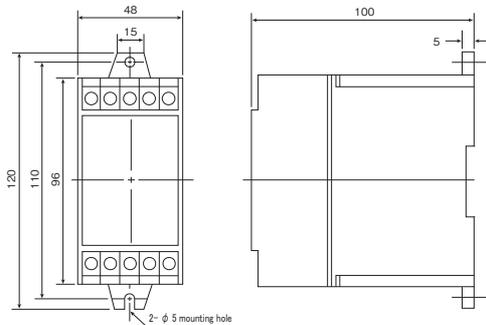


Model CRY-DPX

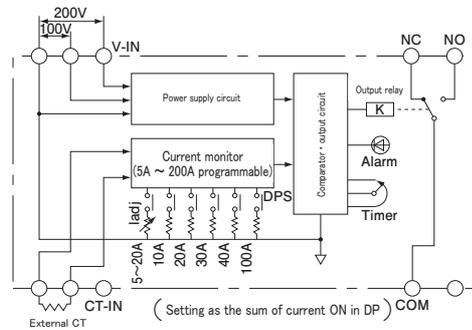
[Feature]

- Overcurrent alarm to detect over load of motor, partial short of heater, and each type of abnormality of electronics
- With unnecessary structure for external control power supply, corresponding type to high current with external sensor
- Possible to be common for power supply with 100V/200V tap
- Possible to detect precise over load with 5A ~ 200A programmable system for operating point
- Preventing malfunction with dead zone timer until current settling, toward motor starting current, and starting up mode of transformer magnetizing inrush current and so on.
- There is LED for operating display, so easy to set operating point
- Alarm output is 1 transfer contact without voltage.

[Outline drawing]



[Connection]



[Specification] Ta=25°C

Model	CRY-DPX
Power supply	Common use of AC100V/200V, 50/60Hz (Choice of voltage terminal)
Set up current	5A ~ 200A (Possible to set as the sum of current ON in 6 bits DPS)
Accuracy	Set up current ±5%
Accessory current sensor	CTL-12-S36-10 (max primary current 240A continuous) with receptacle
Operational hysteresis range	Recovery with set up current -5%
Dead zone timer	Possible to set in the range of 0.1s ~ 10s after power ON (Timer)
Output specification	Relay contact output (AC125V/0.5A、DC24V/1A cos φ=1)
Response time	100ms (More than 0→Set up current x1.2, and after operation of dead zone timer) (typ)
Operating temperature	-10°C ~ +50°C, no condensation
Screw torque	M4 : 0.7N · m、M3 : 0.3N · m
Mass	Body approximately 220g, accessory CT approximately 57g

[Remark]

- (1) Possible to set operating point roughly by 10A step in the range of 10A ~ 200A with dip switch
- (2) For detail setting less than setting resolution 10A, please use dip switch of Iadj (5A ~ 20A) together
- (3) For setting operating point in the status of actual operation, it will be stable operation with enough margin, by the value of around +10% of set up current
- (4) With using current ratio (2000:1) sensor, possible to enlarge corresponding range to 200% of displayed current
- (5) For corresponding to thick wire, compatible characteristic with same current ratio (1000:1) large aperture sensor
- (6) In the case to apply split sensor, please select current ratio (such as 200A/0.2A) with CTL-CL series (easy order product)
- (7) For 3 phase load, it will be one phase simple monitor with contacting V-IN to between R-S, CT-IN to sensor penetrated by R phase
- (8) Circuit is power supply non isolation system. Don't earth CT terminal absolutely.
- (9) Impossible to use for secondary of inverter
- (10) For sine wave current. Operating point to be changed by distorted current waveform
- (11) No function of self-holding