

Overcurrent alarm

Power supply direct connection type Overcurrent alarm build in sensor, 0.2A ~ 20A programmable system

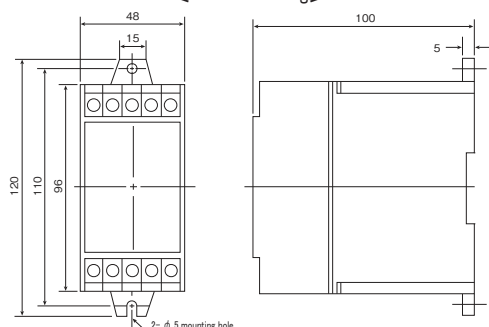


Model CRY-DP

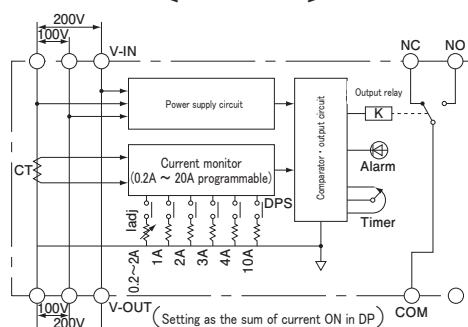
[Feature]

- Overcurrent alarm to detect over load of motor, partial short of heater, and each type of abnormality of electronics
- All in one structure without external controlling power supply
- Possible to be common for power supply with 100V/200V tap
- Possible to detect precise over load with 0.2A ~ 20A 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-DP
Power supply	Common use of AC100V/200V, 50/60Hz (Choice of voltage terminal)
Set up current	0.2A ~ 20A (Possible to set as the sum of current ON in 6 bits DPS)
Accuracy	Set up current $\pm 5\%$
Over current strength	20A(continuous)、30A(1min)
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 $\cos \phi = 1$)
Response time	100ms (More than 0 \rightarrow Set up current $\times 1.2$, and after operation of dead zone timer) (typ)
Operating temperature	$-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$, no condensation
Screw torque	M4 : 0.7N · m、M3 : 0.3N · m
Mass	approximately 220g

[Remark]

- (1) Possible to set operating point roughly by 1A step in the range of 1A ~ 20A with dip switch
- (2) For detail setting of setting resolution 1A, please use dip switch of Iadj(0.2A ~ 2A) 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) For 3 phase load, it will be one phase simple monitor with contacting 2 wires to the module, and direct link of another 1 wire
- (5) Impossible to use for secondary of inverter
- (6) For sine wave current. Operating point to be changed by distorted current waveform
- (7) No function of self-holding