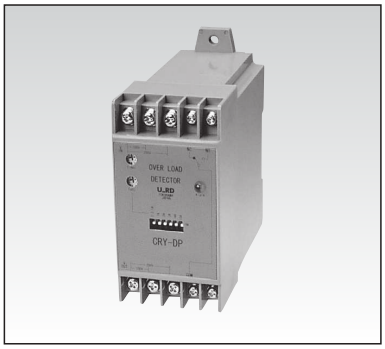
Overcurrent alarm

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

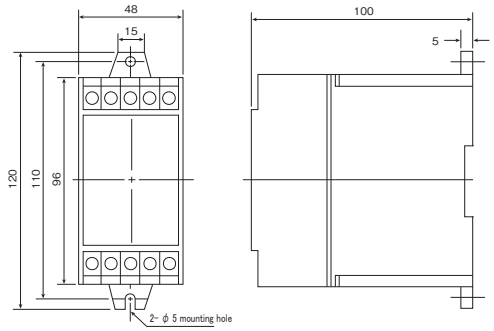


Model CRY-DP

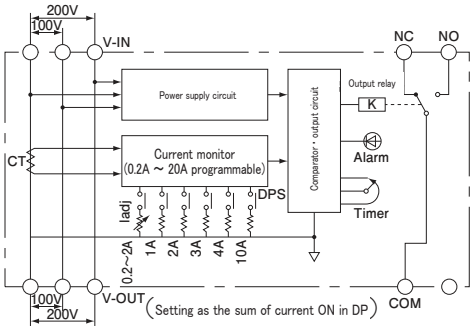
〔Feature〕

- 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℃

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±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 ϕ=1)
Response time	100ms (More than 0→Set up current x1.2, and after operation of dead zone timer) (typ)
Operating temperature	−10℃～ +50℃ , 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

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