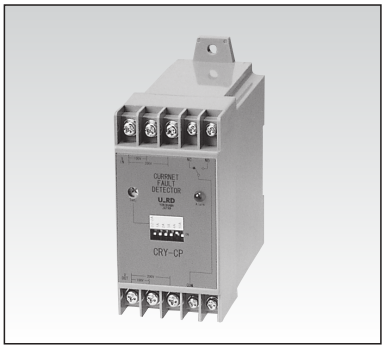
Undercurrent alarm

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

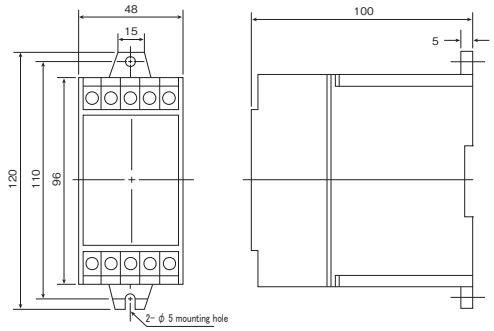


Model CRY-CP

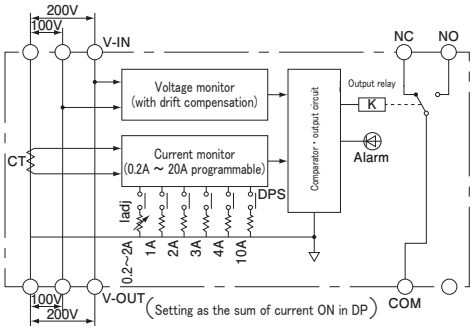
〔Feature〕

- ●At the time of lack of current but existing voltage, system to decide as disconnection (unsupported for cycle control)
- ●All in one structure without external controlling power supply
- ●Possible to share power supply with 100V/200V tap
- ●Possible to set with 0.2A ～ 20A programmable system for operating point
- ●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-CP
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%
Power supply voltage compensation	Compensation operating point proportinal to power supply voltage change (±10%)
Output specification	Relay contact output (AC125V/0.5A、DC24V/1A cosϕ=1)
Response time	≦100ms (In case of set up current more than 50% of actual load)
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 partial disconnection, 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 as LED on of front panel.
(4) For 3 phase load, please use 2 sets of Undercurrent alarm between (R-S) and (S-T) in principle
(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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