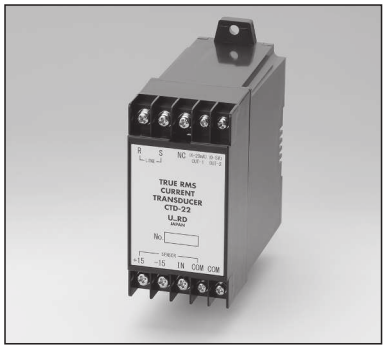
Universal type RMS converting module for both of AC/DC

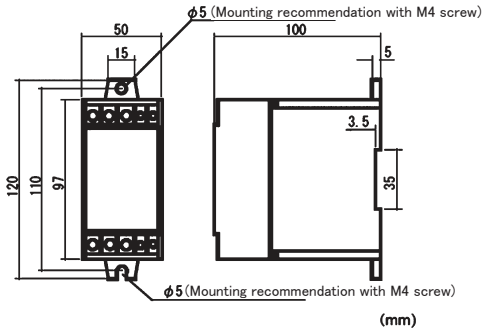


Model CTD-22

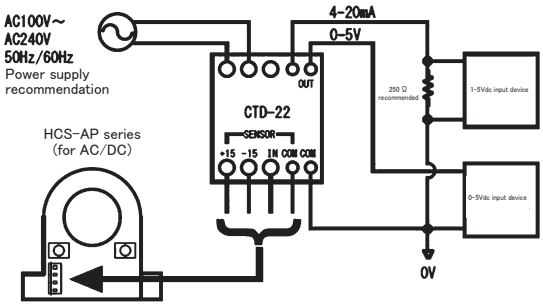
〔Features〕

- ●RMS calculation type current converter corresponding to DC ～ 20kHz. Please refer the self heating characteristic of current sensor in case of high frequency use.
- ●Corresponding to current waveform controlled as phase control, PWM, and so on
- ●In combination with HCS-AP series (separately selling), universal type for both of AC/DC
- ●Corresponding to power supply voltage of AC95 ～ 245V(50Hz/60Hz sine wave)
- ●DC output with RMS calculation, 0 ～ 5V and 4 ～ 20mA two outputs. Possible to use at same time

〔Outline drawing〕



〔Connection〕



〔Specification〕 Ta=25℃

Model	CTD-22	
Power supply	AC95 ～ 245V, 50 ／ 60Hz, 40mA (Build in ±15V for HCS-AP series)	
Rating current	10A ～ 800A (DC ～ 20kHz, crest factor rating currentX2.5)	
Output(2 types)	0 ～ 5VDC (Load resistor≧10kΩ)	Corresponding to 0 ～ 100% of setting rating current
	4 ～ 20mADC (100Ω≦Load resistor≦500Ω)	
Accuracy	±1% FS (not including accuracy of dedicated current sensor)	
Response time	30ms ／ 0→FS (typ)	
Withstand voltage	AC2000V(50/60Hz), 1min (Power supply-output terminal in a lump)	
Insulation resistance	DC500V, ≧100MΩ (power supply -output terminal in a lump)	
Applied current sensor	DC current sensor (HCS-AP series)	
Operating temperature	0℃～ +50℃ , ≦85%RH, no condensation, free direction for setting	
Storage temperature	-10℃～ +60℃ , ≦85%RH, no condensation	
Screw torque	M4 : 0.7N・m、M3 : 0.3N・m	
Mass	approximately 290g	

〔Remark〕

(1)DC ripple to be increased with low frequency current measurement less than 50Hz. Possible to correspond to custom product with 500ms time constant
(2)In the case of AC current mixed with DC, DC ripple to be increased
(3)There is the case to flow more than 2Ap inrush current at the time to power on.
(4)Please use dedicated ones for the screws mounted on the terminal
(5)Output accuracy is not including offset, ripple, and noise level.
(6)Accuracy to be down in case of distorted wave form, because output accuracy is the value with 50Hz/60Hz sine current.
(7)In the contents of product specification, inspection, and so on, it is based on the measurement in conditions of standard temperature, humidity, and no abnormality and no vibration, in the case of no special description. It is not guarantee all specifications in the operating temperature and all condition range.
(8)Impossible to use in outdoor exposure.

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