

Leakage current detection module (contact output type)

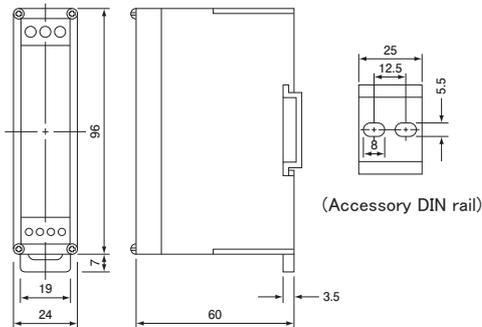


Model CRY-ZPS

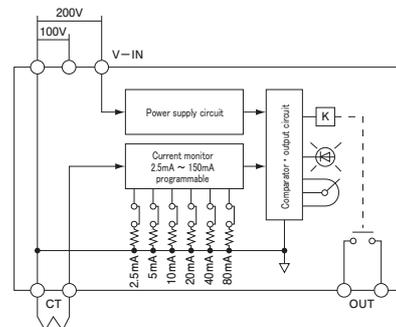
[Feature]

- Module to output alarm with detection of leakage or small current, by combination with AC current sensor
- Corresponding to wide power supply of AC85 ~ 250V
- Detection current of 2.5mA ~ 150mA as programmable
- Easy setting confirmation by LED operation display

[Outline drawing]



[Connection]



[Specification] Ta=25°C

Model	CRY-ZPS	
Power supply	1 φ 50/60Hz, 85 ~ 125V/180V ~ 250V, choice of terminal (sine wave)	
Set up current	2.5mA ~ 150mA (Possible to set by 2.5mA step as the sum of current ON in 6 bits DPS)	
Accuracy	Set up current ±5% (but, ±10% for 2.5mA range)	
Over current strength	10A (continuous), 150A(1s)/CT primary current	
Operational hysteresis range	Output contact ON beyond set up current (make contact), and recovery at set up current -10%	
Output specification	Relay contact output (AC250V/3A, DC30V/3A cos φ=1)	
Response time	500ms (0→up to 200% of set up current) (typ)	
Operation display	At the time to operate relay, LED lighting on the surface of panel at the same time	
Warm up condition	After 1s, and unstable operation of power supply ON/OFF within 1s	
Internal current consumption	Less than 15VA	
Withstand voltage	AC2000V(50/60Hz), 1min (Power supply terminal-output terminal in a lump)	
Insulation resistance	DC500V, ≥5MΩ (power supply terminal-output terminal in a lump)	
Applied current sensor	Genuine combination: CTL-6-P-Z, CTL-6-S-Z	
	Option: CTU-22-CLF (Operating point to be about 3 times of display value)	
Operating temperature	-10°C ~ +50°C, no condensation	
Applied wire for terminal	to Power supply	AWG14 ~ 22/single or strand wire
	to Current Sensor	AWG16 ~ 26 / single or strand wire
Mass	approximately 70g	

[Remark]

- (1) Circuit is power supply no isolation system. Don't earth CT terminal
- (2) Impossible to use for secondary of inverter
- (3) Please attention for rod terminal, because there is the case to be impossible to contact by the shape of terminal.
- (4) No function of self-holding