

## Standard specifications

Model name	PA-215-H	PA-230-H	PA-260-H	PA-2100-H	PA-2150-H	PA-215-Z	PA-230-Z	PA-260-Z	PA-2100-Z	PA-2150-Z	PA-215-H3	PA-230-H3	PA-260-H3	PA-2100-H3	PA-2150-H3
Rated current	15A	30A	60A	100A	150A	15A	30A	60A	100A	150A	15A	30A	60A	100A	150A
Capacity	3kVA	6kVA	12kVA	20kVA	30kVA	3kVA	6kVA	12kVA	20kVA	30kVA	5.2kVA	10.4kVA	20.8kVA	34.6kVA	52.0kVA
Power consumption	22W	36W	61W	100W	175W	22W	36W	61W	100W	175W	75W	114W	186W	300W	430W
Weight	1.0kg	1.1kg	3.0kg	3.5kg	6.0kg	1.0kg	1.1kg	3.0kg	3.5kg	6.0kg	2.5kg	3.0kg	6.0kg	9.0kg	12.0kg
Input signal	4 to 20mA <sub>dc</sub> (200Ω) , 0.8 to 4V <sub>dc</sub> , Manual setting, Non-voltage contact														
Phase	Single										3-phase				
Rated Voltage	110／220V <sub>ac</sub> (Option:380V <sub>ac</sub> , 415V <sub>ac</sub> , 440V <sub>ac</sub> , 480V <sub>ac</sub> )										220V (Option: 380V <sub>ac</sub> , 415V <sub>ac</sub> , 440V <sub>ac</sub> , 480V <sub>ac</sub> )				
Frequency	50／60Hz										50／60Hz				
Voltage fluctuation	±10% of rated value														
Output setting range	0 to 98%														
Gain setting range	0 to 100%														
Insulation resistance	50MΩ or greater at 500V <sub>dc</sub>														
Dielectric strength	1.5kV <sub>ac</sub> for 1min														
Ambient temperature	0 to 60℃														

The rated current values are described when the ambient temperature is 40°C or less.  
When the temperature exceeds 40°C, refer to Fig. 2 [Ambient temperature and allowable current].

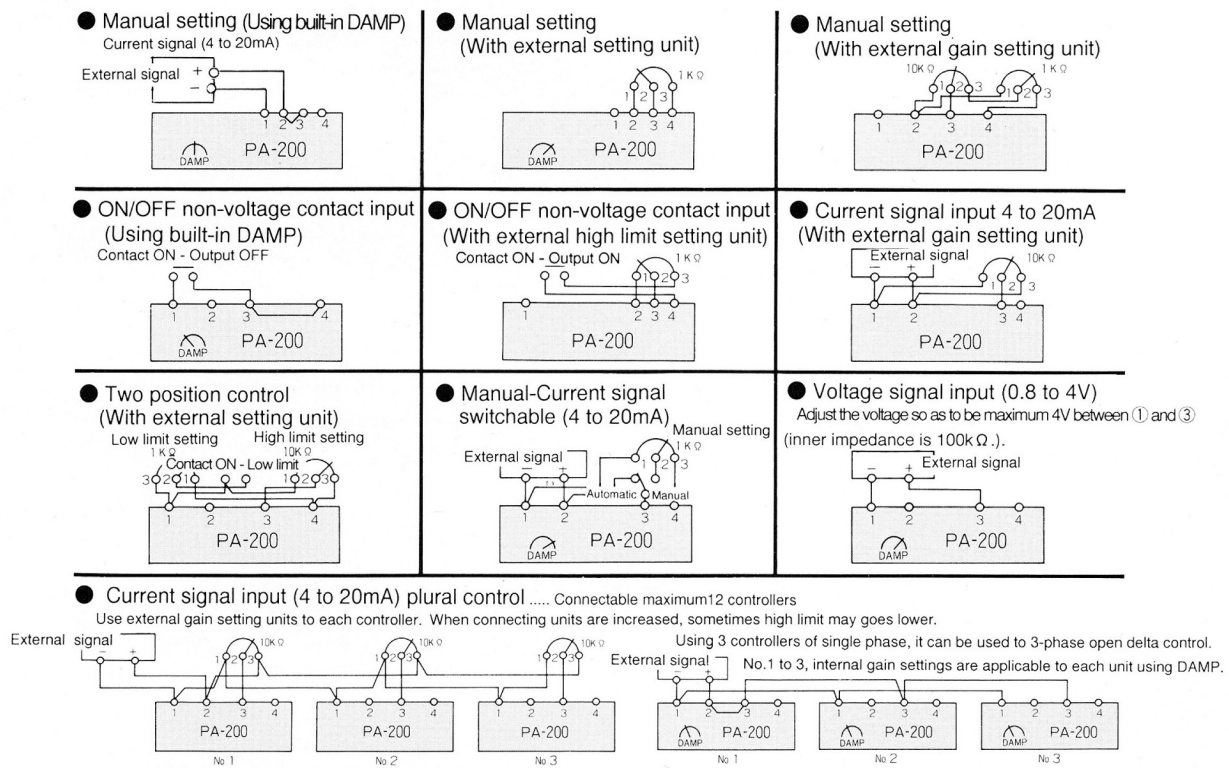
## Applicable load and the type selection

Series	Primary control with transformer	Applicable load	Type selection
H series	Available	Load of which resistance is not changed (Nichrome, Iron-chrome, Kanthal, etc.)	Standard or CV [Option]
		Load of which resistance is changed by temperature (Tungsten, Molybdenum, Kanthal super, etc.)	CC [Option]
		Load of which resistance is changed by temperature (Silicon carbide SILICONIT, EREMA, etc.)	CC [Option] Use voltage limiter
		Load of which power-factor is changed (Motor, Solenoid, etc.)	CV [option]
Z series	Not available	Load of which resistance is not changed (Nichrome, Iron-chrome, Kanthal, etc.)	Standard

## Options

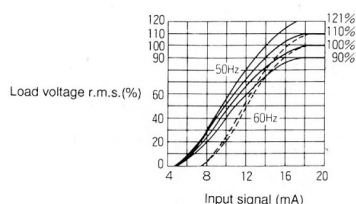
Control mode	Main specification	Detector
Constant current control (CC)	Output current is kept within $\pm 3\%$ to power variation $\pm 10\%$ . (at constant load) Output current is kept within $\pm 3\%$ to 5 times as much as the load variation. (at constant supply voltage) Voltage limiter built-in, with over current protective action indicator.	CT, PT built-in (15, 30A) CT attached (60, 100, 150A)
Constant voltage control (CV)	Output voltage is kept within $\pm 3\%$ to power variation $\pm 10\%$ . (at constant load) Output voltage is kept within $\pm 3\%$ to 5 times as much as the load variation (at constant supply voltage) Current limiter built-in, with over current protective action indicator.	CT, PT built-in (15, 30A) CT attached (60, 100, 150A)
Peak exceeding current alarm out put (AL)	When acted peak over current protection (gate off), it gives the alarm (This option can be added to CC or CV option.) Output is a phototriac output, and the connector lead wire (equivalent to AWG 22, 300mm) is attached. Rating of phototriac: 220Vac or less, 5 to 50mA. Peak 60Hz sine half-wave 1.3A nonrepetitive.	

## Scheme of connection for setting circuit (When using, the short-bar between ① and ③ must be removed if unnecessary.)

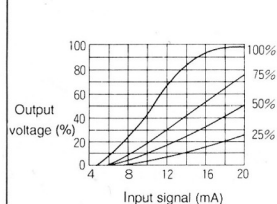


## Characteristics

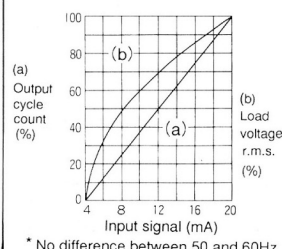
### Circuit voltage characteristic (H, H3 series)



### Gain setting characteristic (H, H3 series)



### Output characteristic (Z series)



### Gain setting characteristic (Z series)

