

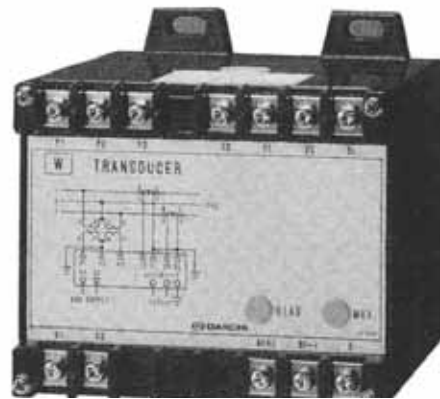
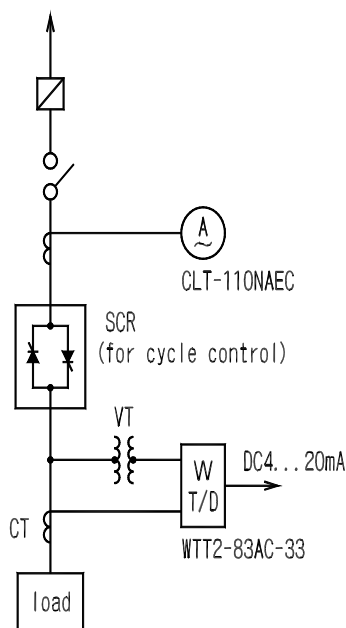
AETT2-82AC
(120 × 56 × 130mm/700g)

Use

When electric furnace is controlled by SCR (cyclic control), current/voltage and power fluctuate periodically and those can not be read by general indicating instrument or transducer.

This product can measure voltage/current and power in cycle control accurately and read them in stable condition. As those can be read by data logger, etc., this product can be used for cycle control measurement.

Operating connection diagram

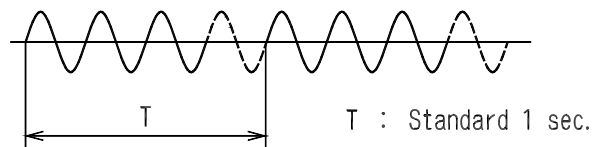


WTT2-83AC-33
(120 × 110 × 130mm/1.2kg)

Features

- High reliability design.
- Withstand voltage between input/ output/ auxiliary supply/ earth. 2000V AC 50/60Hz 1 min.. Complete insulation.
- With electrostatic shield between primary and secondary, equipment on output side can be protected from lightning surge, etc. on input side.
- With output line surge protection (2,000A, ± 8/20 μ s), can transmit an output directly to a distant place.
- Output operation is stable against cycle control input.

Cycle control waveform



Output comparison table against input continuity

| Input | Output (%) | |
|---------------------|-------------------------|-------------------------------|
| | Current/voltage | Power |
| 0.05 (5%) | 22.4 | 5.0 |
| 0.25 (25%) | 50.0 | 25.0 |
| 0.5 (50%) | 70.7 | 50.0 |
| 0.75 (75%) | 86.6 | 75.0 |
| 1 (100%) | 100.0 | 100.0 |
| Approximate formula | A (V) = input × 100% | P=VI= input × input × 100% |

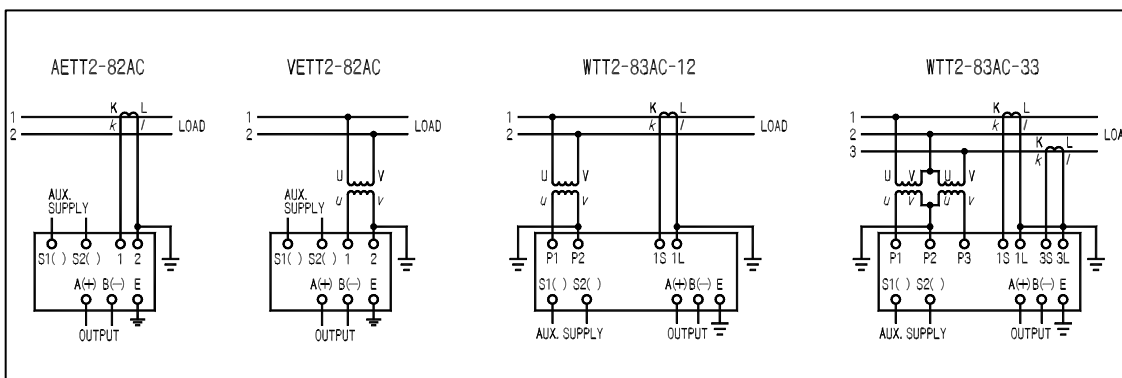
Specifications

| Product | Operation method | Requirement of use | | | | Type | Input | DC output (load resistance) | Tolerance | Ripple (p-p) | Response (second) ^{*3} | Approximate VA consumption | | | Weight |
|------------|-------------------------|--------------------|--------------|--------------|-----------|--------------|--------------|---|--|--------------|---------------------------------|------------------------------|--------------|------------------|--------|
| | | Cycle wave form | Voltage side | Current side | Frequency | | | | | | | Voltage side | Current side | Auxiliary supply | |
| AC current | RMS value | Interval 1 sec. | - | - | 50/60Hz | AETT2-82AC | 5A | 5V (1k) 10V (2k) 4-20mA (500) | *1 ±1.0% | 1% | Rise: 5 sec Fall: 10 sec | 0.5 | 2 | 700g | |
| AC voltage | RMS value | Interval 1 sec. | - | - | 50/60Hz | VETT2-82AC | 150V or 300V | 5V (1k) 10V (2k) 4-20mA (500) | *1 ±1.0% | 1% | Rise: 5 sec Fall: 10 sec | 1.0 | 2 | 700g | |
| AC power | Hall multiplying method | Interval 1 sec. | - | - | 50/60Hz | WTT2-83AC-12 | 100V, 5A | 500W | 5V (1k) 10V (2k) 1-3-5V (1k) 1mA (10k) 4-12-20mA (500) | *2 ±1.0% | 1% | Rise: 10 sec Fall: 10 sec | 1/phase | 1.0kg | |
| | | | | | | | 220V, 5A | 1kW | | | | | | 1.2kg | |
| | | | | | | WTT2-83AC-33 | 110V, 5A | 1kW | | | | | | | |
| | | | | unbalance | 50/60Hz | | 220V, 5A | 2kW | | | | | | | |

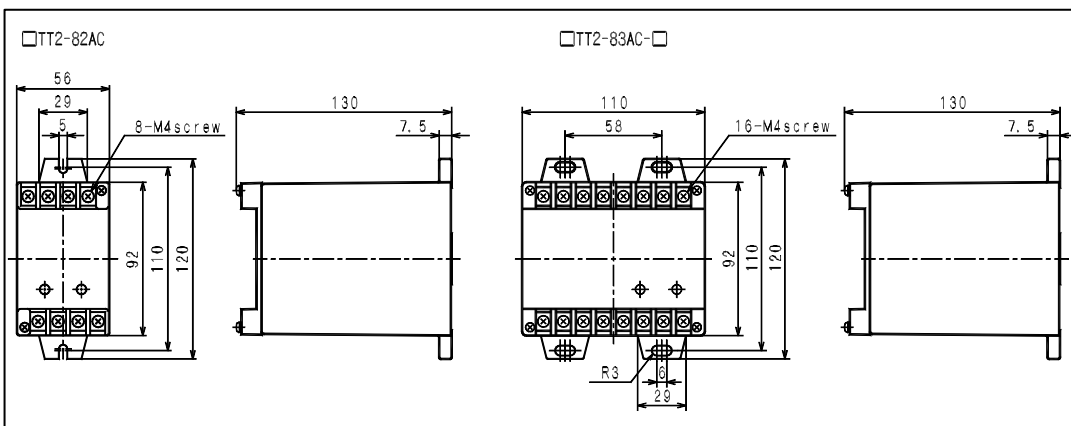
*1. In the case of less than 50% of rated output value, tolerance doubles. *2. In the case of less than 25% of rated output value, tolerance doubles.

*3. Time it takes to fall within 90% and 10% of final steady state value.

Connection diagram



Dimensions(mm) See above connection diagram for terminal arrangement.



Purchase specifications

| Type | Input | Output |
|------------------|----------|--------|
| Auxiliary supply | Quantity | |