

瓦特 / 瓦時轉換器 WATTHOUR / WATT TRANSDUCER



- BWWH-12** 1 φ 2W KWH/KW Transducer
- BWWH-13** 1 φ 3W KWH/KW Transducer
- BWWH-33** 3 φ 3W KWH/KW Transducer
- BWWH-34** 3 φ 4W KWH/KW Transducer
- BW-12** 1 φ 2W KW Transducer
- BW-13** 1 φ 3W KW Transducer
- BW-33** 3 φ 3W KW Transducer
- BW-34** 3 φ 4W KW Transducer

Specifications

- Max. Input :** AC 600V, 5A
- Input burden :** Voltage $\leq 0.1VA$, Current $\leq 0.2VA$
- Input over load capacity** 750Vrms, continuous
Current 2 x rated continuous
10 x rated 10sec/hour
- Response time :** $< 0.4sec.$
- Accuracy :** $\pm 0.2\%RD + 0.1\%RO$
- Temp. Range :** $-20^{\circ}C$ to $+70^{\circ}C$, operating $0^{\circ}C$ to $50^{\circ}C$
- Temp. Coefficient :** 100ppm at $23^{\circ}C \pm 3^{\circ}C$
- Humidity range :** Up to 95%RH
- Isolation :** Input/Output/Power/Case
- Dielectric test :** DIN-IEC688 2KVrms/1min
- Housing material :** ABS Plastic (flameretardancy self-extinguishing to UL subject94 class V-O)
- Mounting :** DIN rail or wall mounting
- Power supply :** AC 115/230V $\pm 15\%$, 50/60Hz, 3VA
DC 24V, 48V, 120V (Option)
- Dimensions :** 80(W) \times 110(H) \times 120(D)mm

Output

- Output variables :** Pulse and DC signal
- Ripple :** $< 0.5\%$ p-p max.
- Response time :** $< 0.4sec.$ Or less
- Zero adjustment :** $\pm 5\%$ minimum
- Span adjustment :** $\pm 10\%$ minimum
- Pulse output characteristic**

Pulse	Output	
1Pulse	Reed Relay	Open Collector
10Pulse	AC 125V, 0.5A	Min : DC 1V
100Pulse (Per WH)	DC 30V, 2A	Max : DC 30V

DC voltage : 0~12V (max.)
Load resistance = output voltage \div 10mA

DC current : 0~20mA (max.)
Load resistance = 10V \div output current

Order Code

BWWH-12

BWWH-13

BWWH-33

BWWH-34

Input

- 1 : AC 120V, 5A
- 2 : AC 240V, 5A
- 3 : AC 480V, 5A
- Y : Option

Input Freq.

- 1 : $50 \pm 3Hz$
- 2 : $60 \pm 3Hz$

Output

- 1 : 0~10V A : 4~20mA
- 2 : 0~5V B : 0~20mA
- 3 : 1~5V C : 0~10mA
- 4 : 0~1V D : 0~1mA
- Y : Option

Pulse Output

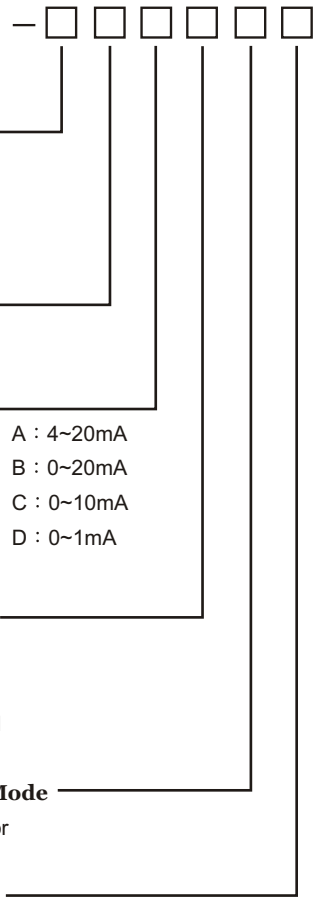
- 1 : 1Pulse/WH
- 2 : 10Pulse/WH
- 3 : 100Pulse/WH
- Y : Option

Pulse Output Mode

- 1 : Open collector
- 2 : Reed Relay

Power Supply

- 1 : AC 115V $\pm 15\%$
- 2 : AC 230V $\pm 15\%$
- Y : Option. (DC 12, 24, 48, 120V $\pm 20\%$)



Order Code

BW-12, BW-13

BW-33, BW-34

Input

- 1 : AC 120V, 5A
- 2 : AC 240V, 5A
- 3 : AC 480V, 5A
- 4 : AC 208/120V, 5A
- 5 : AC 416/240V, 5A
- Y : Option

Input Freq.

- 1 : 50±3Hz
- 2 : 60±3Hz

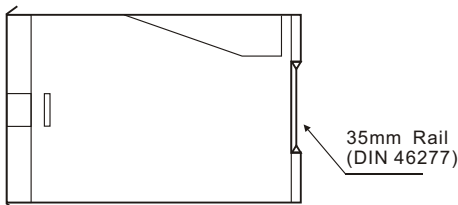
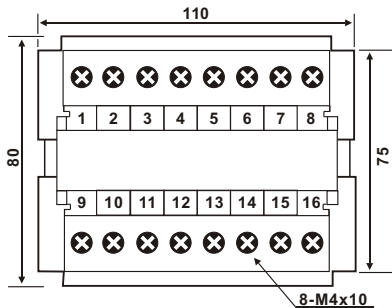
Output

- 1 : 0~10V A : 4~20mA
- 2 : 0~5V B : 0~20mA
- 3 : 1~5V C : 0~10mA
- 4 : 0~1V D : 0~1mA

Y : Option

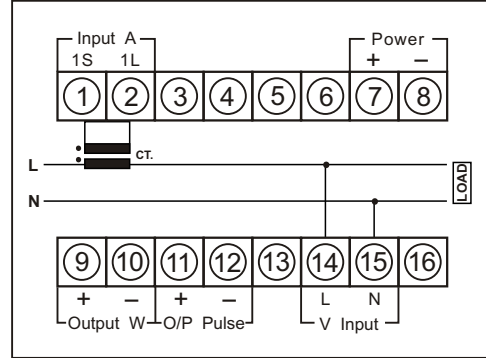
Power Supply

- 1 : AC 115V±15%
- 2 : AC 230V±15%
- Y : Option. (DC 12, 24, 48, 120V±20%)

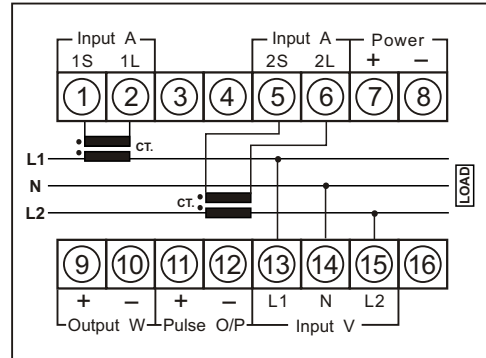


Connection Diagram

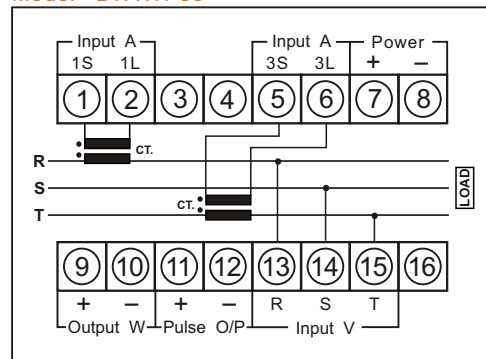
Model : BWWH-12



Model : BWWH-13



Model : BWWH-33



Model : BWWH-34

