

ISO 9001:2008
REGISTERED**0-19 Watts, Wall Plug-In, N.A., Japan, Europe, U.K., Australia,
Universal Input, Single Output Family, Medical Class I & II**Part Number Ordering System (See Page 302)
Output Plug/Cord Options (See Page 271)**ELECTRICAL SPECIFICATIONS:****INPUT VOLTAGE:**

90 VAC TO 264 VAC

INPUT CURRENT:

< 0.5 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:

47 HZ - 63 HZ

OUTPUT CURRENT:

NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):

19 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):

≤ 1% TYP

OUTPUT REGULATION (LINE/LOAD):

± 5% FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:

± 1% MAX AT FULL LOAD

TURN ON/ TURN OFF OVERSHOOT:

5% MAX 500μS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:

1 SEC TYPICAL

HOLD-UP TIME:

10 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:

30 A TYPICAL AT COLD START FOR N.A. (40A FOR EURO)

EFFICIENCY:

75 % TYPICAL

SWITCHING FREQUENCY:

100 KHZ TYPICAL; VARIES WITH LINE AND LOAD

OVER-VOLTAGE PROTECTION:VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE,
CROWBAR METHOD**OVER-CURRENT / SHORT CIRCUIT:**MOMENTARY SHORT CIRCUIT PROTECTED, OUTPUT WILL
AUTORECOVER UPON REMOVAL OF SHORT.**OTHER PROTECTION:**

INPUT LINE AND NEUTRAL FUSING

SAFETY APPROVALS:UL 60601-1, CUL TO 22.2 NO. 601, TUV EN60601, AND
cTUVus TO UL 60601-1 FOR CLASS I AND CLASS II; PSE TO
J60950, CE FOR EMC, CB REPORT**DIELECTRIC WITHSTAND VOLTAGE:**5656 VDC (4000 VAC) PRIMARY-SECONDARY
2121 VDC (1500 VAC) PRIMARY- GROUND**LEAKAGE CURRENT:**

< 300 μA AT 264VAC INPUT VOLTAGE

LINE SURGE:

EN 61000-4-5 LEVEL 4

OUTPUT VOLTAGE / CURRENT:**CLASS I MODELS, FUNCTIONAL GROUND**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM21089-1003-W3(W3U, W3A)	+3.3	0 - 2.6	0-9
GTM21089-1305-1.0-W3(W3U, W3A)	+4.0	0 - 2.6	0-10
GTM21089-1305-X.X-W3(W3U, W3A)	+5.0	0 - 2.6	0-13
GTM21089-1506-X.X-W3(W3U, W3A)	+6.0	0 - 2.5	0-15
GTM21089-1509-2.0-W3(W3U, W3A)	+7.0	0 - 2.0	0-15
GTM21089-1509-1.0-W3(W3U, W3A)	+8.0	0 - 1.8	0-15
GTM21089-1509-X.X-W3(W3U, W3A)	+9.0	0 - 1.7	0-15
GTM21089-1512-2.0-W3(W3U, W3A)	+10.0	0 - 1.5	0-15
GTM21089-1512-1.0-W3(W3U, W3A)	+11.0	0 - 1.3	0-15

EMI:COMPLIES WITH EN55022 AND EN55011, CLASS B AND FCC
PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD,
BOTH CONDUCTED AND RADIATED**CE MARK:**EN55011, Group 1, Class B, EN5022 Class B, EN55011, Group
1, Class B; EN55024 / EN60601-1-2 / IEC 61000-4-3:2002;
EN55024 / EN60601-1-2 / IEC 61000-4-6:2001 ; EN55024 /
EN60601-1-2 / IEC 61000-4-8:2001; EN55024 / EN60601-1-2 /
IEC 61000-4-11:2001; EN55024 / EN60601-1-2 / IEC 61000-4-
4:2001; EN55024 / EN60601-1-2 / IEC 61000-4-2:2001; EN55024
/ EN60601-1-2 / IEC 61000-4-5:2001; EN55024 / EN 61000-3-3
A1: 2001 / EN 61000-3-3 A1: 2001; EN55024 / EN 61000-3-3
2:2001 / EN 61000-3-2:2001. UNIT IS ELIGIBLE FOR CE MARK.**MTBF:**GREATER THAN 200,000 HOURS AT 25°C AMBIENT
TEMPERATURE, AND NOMINAL LINE AT FULL LOAD
PER MIL-217.**OPERATING TEMPERATURE:**

0° C TO 40° C

STORAGE TEMPERATURE:

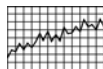
-10° C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

MODEL NUMBER CODE:GT-2: INTERNAL CODE;
M: MEDICAL MODEL
1089: FAMILY DESIGNATION;
1003 TO 1948: POWER/INPUT VOLTAGE;
W: WALL PLUG IN;
3: CLASS II WITH FUNCTIONAL EARTH (3 PRONG)
2: CLASS II, DOUBLE INSULATED;
-,E,U,A: PLUG CONFIGURATION: N.A.; EURO; U.K.; AUSTRALIA**NOTES:**

1. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S
DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT
EXCEEDED.
2. OUTPUTS ARE AVAILABLE FROM 3.3V-48V IN 0.1V
INCREMENTS
3. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE
DEVIATION FROM STANDARD MODEL: SUBTRACTING X.X
VOLTS FROM STANDARD OUTPUT VOLTAGE.

SEE APPENDIX "C" FOR ELECTRICAL
PERFORMANCE CURVES



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GTM21089 SERIES-19W



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Part Number Ordering System (See Page 302)
Output Plug/Cord Options (See Page 271)



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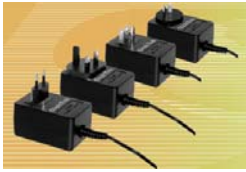


MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM21089-1512-X.X-W3(W3U, W3A)	+12.0	0 - 1.25	0-15
GTM21089-1815-2.0-W3(W3U, W3A)	+13.0	0 - 1.15	0-15
GTM21089-1815-1.2-W3(W3U, W3A)	+13.8	0 - 1.09	0-15
GTM21089-1815-1.0-W3(W3U, W3A)	+14.0	0 - 1.07	0-15
GTM21089-1815-X.X-W3(W3U, W3A)	+15.0	0 - 1.2	0-18
GTM21089-1818-2.0-W3(W3U, W3A)	+16.0	0 - 1.2	0-18
GTM21089-1818-1.0-W3(W3U, W3A)	+17.0	0 - 1.0	0-18
GTM21089-1818-X.X-W3(W3U, W3A)	+18.0	0 - 1.0	0-18
GTM21089-1824-5.0-W3(W3U, W3A)	+19.0	0 - 0.95	0-18
GTM21089-1824-4.0-W3(W3U, W3A)	+20.0	0 - 0.90	0-18
GTM21089-1824-X.X-W3(W3U, W3A)	+24.0	0 - 1.0	0-18
GTM21089-1948-20.4-W3(W3U, W3A) (TUV/NRTL REPLACES UL/NRTL)	+27.6	0 - 0.65	0-18
GTM21089-1940-18.0-W3(W3U, W3A) (TUV/NRTL REPLACES UL/NRTL)	+30.0	0 - 0.6	0-18
GTM21089-1948-12.0-W3(W3U, W3A) (TUV/NRTL REPLACES UL/NRTL)	+36.0	0 - 0.5	0-19
GTM21089-1948-X.X-W3(W3U, W3A) (TUV/NRTL REPLACES UL/NRTL)	+48.0	0 - 0.4	0-19

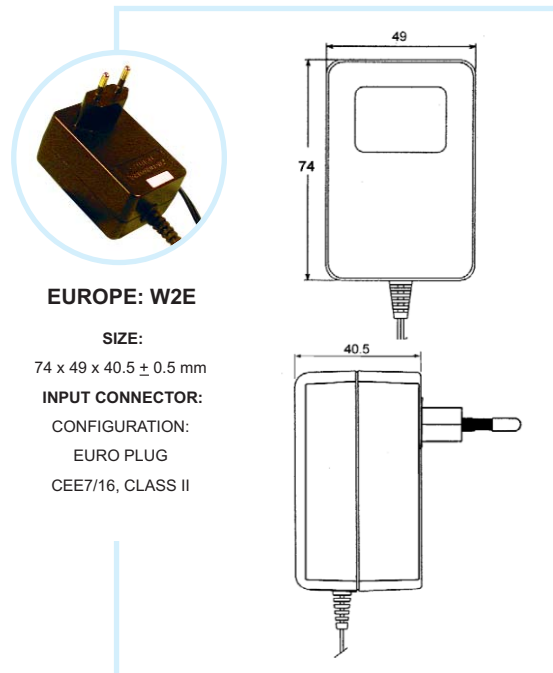
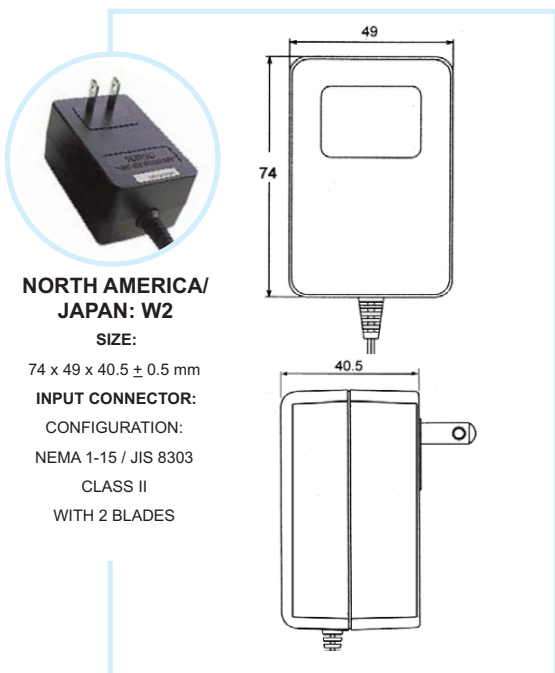
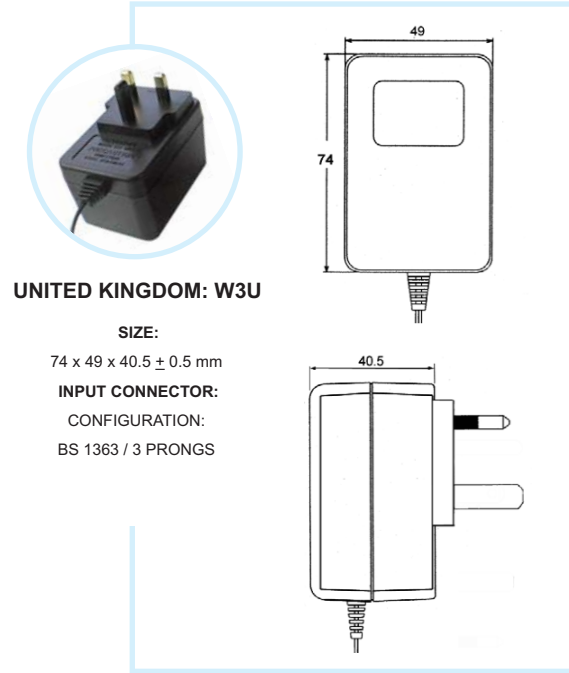
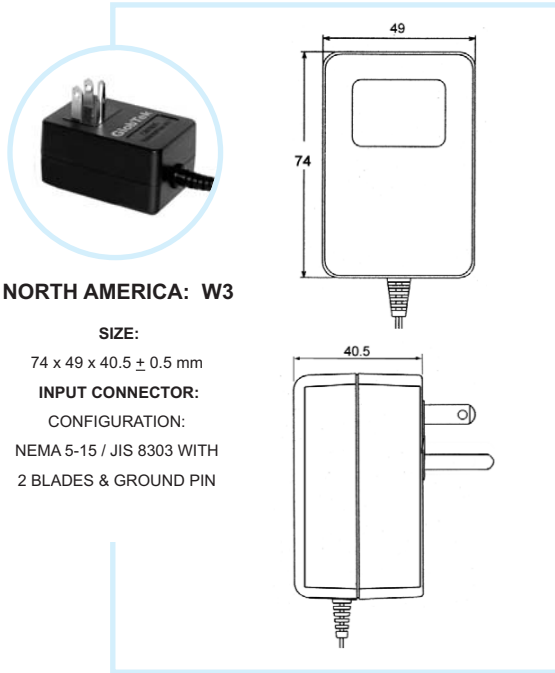
OUTPUT VOLTAGE / CURRENT: CLASS II MODELS, DOUBLE INSULATED

GTM21089-0903-W2(W2E, W2U, W2A)	+3.3	0 - 2.6	0-9
GTM21089-0905-1.0-W2(W2E, W2U, W2A)	+4.0	0 - 2.6	0-9
GTM21089-1305-X.X-W2(W2E, W2U, W2A)	+5.0	0 - 2.6	0-13
GTM21089-1506-X.X-W2(W2E, W2U, W2A)	+6.0	0 - 2.5	0-15
GTM21089-1509-2.0-W2(W2E, W2U, W2A)	+7.0	0 - 2.0	0-15
GTM21089-1509-1.0-W2(W2E, W2U, W2A)	+8.0	0 - 1.8	0-15
GTM21089-1509-X.X-W2(W2E, W2U, W2A)	+9.0	0 - 1.7	0-15
GTM21089-1512-2.0-W2(W2E, W2U, W2A)	+10.0	0 - 1.5	0-15
GTM21089-1512-1.0-W2(W2E, W2U, W2A)	+11.0	0 - 1.3	0-15
GTM21089-1512-X.X-W2(W2E, W2U, W2A)	+12.0	0 - 1.25	0-15
GTM21089-1815-2.0-W2(W2E, W2U, W2A)	+13.0	0 - 1.15	0-15
GTM21089-1815-1.2-W2(W2E, W2U, W2A)	+13.8	0 - 1.09	0-15
GTM21089-1815-1.0-W2(W2E, W2U, W2A)	+14.0	0 - 1.07	0-15
GTM21089-1815-X.X-W2(W2E, W2U, W2A)	+15.0	0 - 1.2	0-18
GTM21089-1818-2.0-W2(W2E, W2U, W2A)	+16.0	0 - 1.2	0-18
GTM21089-1818-1.0-W2(W2E, W2U, W2A)	+17.0	0 - 1.0	0-18
GTM21089-1818-X.X-W2(W2E, W2U, W2A)	+18.0	0 - 1.0	0-18
GTM21089-1824-5.0-W2(W2E, W2U, W2A)	+19.0	0 - 0.95	0-18
GTM21089-1824-4.0-W2(W2E, W2U, W2A)	+20.0	0 - 0.90	0-18
GTM21089-1824-X.X-W2(W2E, W2U, W2A)	+24.0	0 - 1.0	0-18
GTM21089-1948-20.4-W2(W2E, W2U, W2A) (TUV/NRTL REPLACES UL/NRTL)	+27.6	0 - 0.65	0-18
GTM21089-1940-18.0-W2(W2E, W2U, W2A) (TUV/NRTL REPLACES UL/NRTL)	+30.0	0 - 0.6	0-18
GTM21089-1948-12.0-W2(W2E, W2U, W2A) (TUV/NRTL REPLACES UL/NRTL)	+36.0	0 - 0.5	0-19
GTM21089-1948-X.X-W2(W2E, W2U, W2A) (TUV/NRTL REPLACES UL/NRTL)	+48.0	0 - 0.4	0-19

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

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ENCLOSURES

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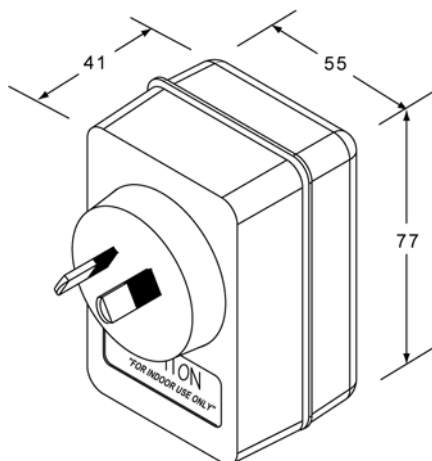
AUSTRALIA: W2A

SIZE:

74 x 49 x 40.5
± 0.5 mm

INPUT CONNECTOR:

CONFIGURATION:
AS/NZ 3112
SAA PLUG,
2 BLADES



CB CERTIFICATE: IEC 60601-1:2005
(3RD ED.)

CB REPORT: IEC 60601-1: 2005 +
CORR. 1 (2006) + CORR. 2 (2007) 3RD
EDITION AND/OR EN 60601-1:2006 +
A11:2011.

SIQ MARK CERTIFICATE
EN 60601-1 :2006 + ALL :2011



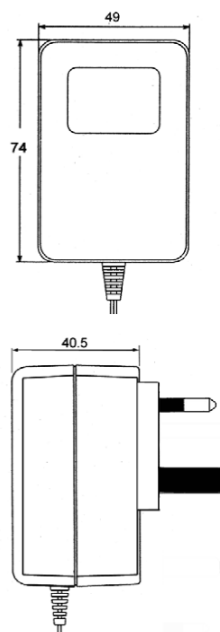
UNITED KINGDOM: W2U

SIZE:

74 x 49 x 40.5 ± 0.5 mm

INPUT CONNECTOR:

CONFIGURATION:
BS 1363 / 3 PRONGS
(GROUND PRONG
FLOATING, USED FOR ME-
CHANICAL RIGIDITY)



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