

REVISIONS		
REV	DESCRIPTION	DATE
A1	CHANGED PER ECN 16-017	09/06/2017
A0	CHANGED PER ECN 15-011, 15-012	09/01/2015

SAFETY STANDARDS COMPLIANCE:
 UL8750
 UL1310

LVD EN61347-2-13
EMI STANDARDS:
 FCC 47 CFR PART 15 CLASS B
 CE EN55015, EN61547
 EN61000-4-2,3,4,5,6,8,11

SAFETY CERTIFICATIONS
 UL E357847
 cUL E357847
 LVD
 N/A
 EMC DIRECTIVE
 N/A

INPUT RANGE:
 110 - 277 VAC, 0.63 - 0.23 A @ FULL LOAD.

FREQUENCY: 50 / 60 Hz. **POWER FACTOR:** >0.9
EFFICIENCY: 85 % Typ. **LEAKAGE CURRENT:**

PEAK INRUSH: 0.66mA Max.
 8 AMPS @ 115V AC
 16 AMPS @ 230V AC

LOAD CAPACITY:	50 WATTS				
OUTPUT	MIN	MAX	LOAD REG	MAX. RIP	
2000mA	16 Volts	24 Volts	±5%	5%	

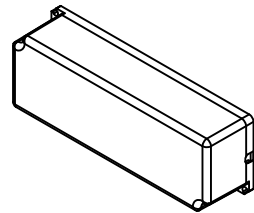
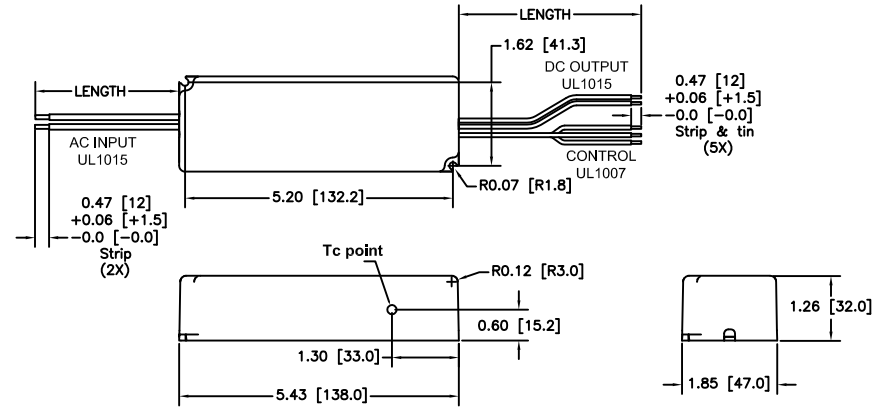
COOLING: CONVECTION **PROTECTION:**
 OCP,SCP,OLP,OVP
 NOISE LEVEL: 0 dB **AUTO-RECOVERY**

RELIABILITY (MTBF): (MIL-HDBK-217E)
 100,000 HRS. @ 25 °C @ FULL LOAD

ENVIRONMENTAL CONDITIONS:
 OPERATING TEMPERATURE: -20 ~ 50°C
 RELATIVE HUMIDITY: 5 ~ 95% (NON CONDENSING)
 LOCATION: DRY AND DAMP USE ONLY

CONNECTOR:
 N/A

PF, THD AND EFFICIENCY CALCULATIONS ARE BASED ON THE LOADING OF THE DRIVER TO MINIMUM 65% AND MAXIMUM 100% OF 50W



AC IN
AC-N (BLUE)
AC-L (BROWN)
Made in China

LED Driver, Isolated, Class 2 output
Constant Current, 0~10V Dimmable

MODEL: Q48-U24-C2000-XP

INPUT: 110~277Vac, 50/60Hz
0.63-0.23A, PF>0.9

OUTPUT: 2000mA / 16~24V
P/N: 20-5501 Rev: A

Suitable for dry and damp locations

DC OUT
LED+(RED)
LED-(BLACK)
DIM-(GRAY)
DIM+(PURPLE)
10V+(YELLOW)

CON	PIN	COLOR	OUTPUT	AWG	LENGTH
AC IN	--	BROWN	LINE	18	6.5 [165] ±0.5 [±13]
IN	--	BLUE	NEUTRAL	18	
DC OUT	--	RED	+V	18	
OUT	--	BLACK	GND	18	
DIM	--	YELLOW	+10V OUT	20	
CNTL	--	PURPLE	DIM+	20	
	--	GRAY	DIM-	20	

- Notes:
- 1.- 5 yrs warr provided Tc point remains below 75°C
 - 2.- Bar code defined by drawing 77-0120.
 - 3.- Transformer - Rated Class 130 (B) insulation system
 - 4.- Add label to carton box per document 77-0125.

MANUFACTURED BY: ES

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UNLESS OTHERWISE SPECIFIED
 DIMENSIONS IN INCHES (MM)
 TOLERANCES:
 .X DECIMALS± .05 (1.3)
 .XX DECIMALS± .02 (0.5)
 .XXX DECIMALS± .005 (0.13)
 ANGLES± 1°
 FRACTIONS± 1/16

QC:

MAGTECH

TITLE:
 Q48-U24-C2000-XP, CN-0193, 110~277VAC, 2000mA, 16~24V, 5YRS

DO NOT SCALE THIS DRAWING	APPROVAL DATE: 12/09/2014	MODEL NO.	DWG NO.	REV. A1	SH OF
INTERPRET DRAWING PER ANS Y14.5M	EFFECTIVE DATE: 12/02/2014	Q48-U24-C2000-XP	M20-5501		1 1