

REVISIONS		
REV	DESCRIPTION	DATE
A2	CHANGED PER ECN 20-006	04/21/2021
A1	CHANGED PER ECN 16-017	10/24/2018
A0	RELEASE TO PRODUCTION	01/30/2015

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, cUL E357847
 CE LVD 15KWS07432D
 EMC 15KWE072839E
 FCC Pending

INPUT RANGE:
 110-277 VAC, 150-50mA
 @ FULL LOAD.

FREQUENCY: 50/60 Hz.
 EFFICIENCY: 87 % Typ.
 PEAK INRUSH:
 6 AMPS @ 110V AC
 21 AMPS @ 230V AC

POWER FACTOR: 0.97
 LEAKAGE CURRENT:
 < 0.01mA @277VAC
 Surge Immunity: 2.5K Vac

STANDARD LOAD RANGE:		MAX	LOAD REG	MAX. RIP
OUTPUT	MIN	500mA	±5%	N/A
24V	50mA			

COOLING: CONVECTION
 NOISE LEVEL: N/A
 RELIABILITY (MTBF):
 100,000 HRS. @ 25 DEG. C @ FULL LOAD

PROTECTION:
 OCP,SCP,OLP
 AUTO-RECOVERY

ENVIRONMENTAL CONDITIONS:
 OPERATING TEMPERATURE: -40 ~ 50°C
 RELATIVE HUMIDITY: 5 ~ 95%
 LOCATION: For Dry and Damp Use Only

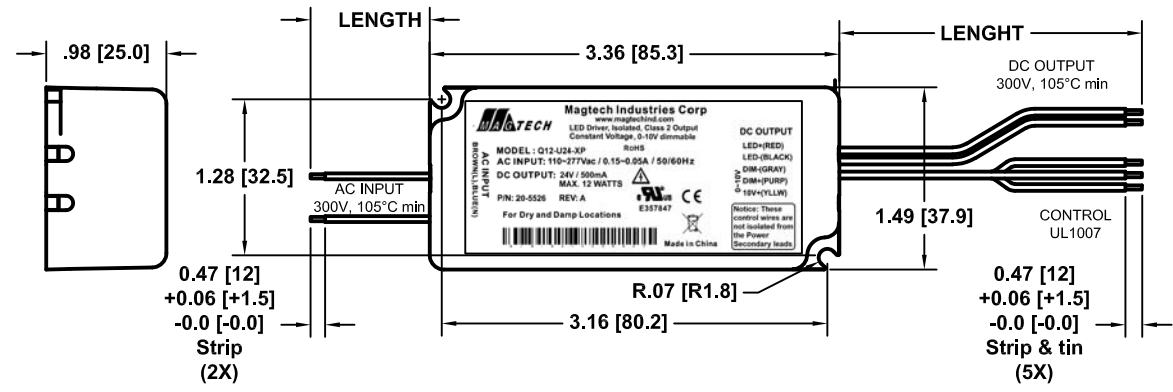
CONNECTOR:
 N/A

SAFETY

INPUT

OUTPUT

MISCELLANEOUS



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

MAGTECH Magtech Industries Corp
 www.magtechind.com
 LED Driver, Isolated, Class 2 Output
 Constant Voltage, 0-10V dimmable

MODEL : Q12-U24-XP RoHS
 AC INPUT: 110-277Vac / 0.15-0.05A / 50/60Hz
 DC OUTPUT: 24V / 500mA
 MAX. 12 WATTS

PIN: 20-5526 REV: A
 For Dry and Damp Locations

DC OUTPUT
 LED+(RED)
 LED-(BLACK)
 DIM-(GRAY)
 DIM+(PURP)
 10V+(YLLW)

Notice: These control wires are not isolated from the Power Secondary leads

Made in China

- Notes:
- 1.- 5 yrs warr provided tc point remains below 75°C
 - 2.- Bar code defined by drawing 77-0120.
 - 3.- Transformer - Class 130 (B), Insulation system
 - 4.- Drivers comply with UL8750 Supplement SF

MANUFACTURED BY: ES

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UNLESS OTHERWISE SPECIFIED		Q/C:	
DIMENSIONS IN INCHES (MM)			
TOLERANCES:			
.X DECIMALS±	.05 (1.3)		
.XX DECIMALS±	.02 (0.5)		
.XXX DECIMALS±	.005 (0.13)		
ANGLES±	1°	TITLE : Q12-U24-XP, 110-277VAC, 24V, 500mA	
FRACTIONS±	1/16		
DO NOT SCALE THIS DRAWING	APPROVAL DATE: 02/07/2015	MODEL NO.	DWG NO.
INTERPRET DRAWING PER ANSI Y14.5M	EFFECTIVE DATE: 01/30/2015	Q12-U24-XP	M20-5526
		REV. A2	SH OF 1 1