

REVISIONS		
REV	DESCRIPTION	DATE
B0	CHANGED PER ECN 14-011	08/04/2014
A0	RELEASE TO PRODUCTION	07/14/2014

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 E345001
cUL E345001
LVD
A001P120518012S
EMC DIRECTIVE
A001P120518012E

INPUT RANGE:
100 – 277 VAC, 0.4 A @ FULL LOAD.

FREQUENCY:	50 / 60 Hz.	POWER FACTOR:	0.92
EFFICIENCY:	83 % Typ.	LEAKAGE CURRENT:	
PEAK INRUSH:			0.3mA typ
10 AMPS	⊗ 115V AC		
20 AMPS	⊗ 230V AC		

LOAD CAPACITY: 25 WATTS max		
OUTPUT MIN MAX	LOAD REG	MAX. RIP
1400mA 14Volts 24Volts	5%	5%

COOLING: CONVECTION
NOISE LEVEL: 0 dB

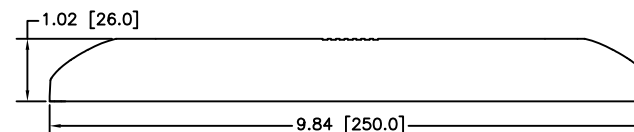
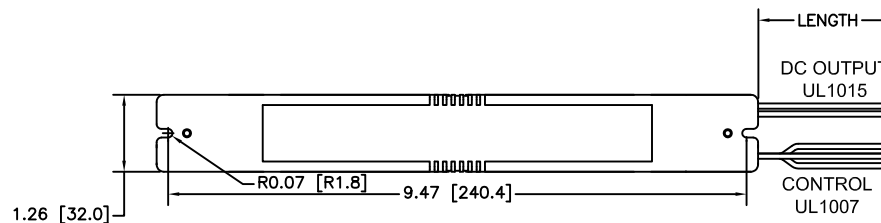
PROTECTION:
OCP,SCP,OLP
AUTO-RECOVERY

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

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

CONNECTOR:
WIRES FOR INPUT TERMINAL BLOCK: 18~22AWG Stranded

DIMMING:
1~10V



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

MAGTECH 0-10V Dimmable, Isolated Class 2 Constant Current LED Driver

Model : ESL1025-24-C1400
 Input : 100-277Vac, 50/60Hz
 0.4A, PF:0.92

OUTPUT: 1400mA, 14-24V
 25W max
 P/N:20-5029 Rev: B

AC-L
 AC-N
 18-22awg

Suitable for Dry and Damp Locations

Made in China

SELV equivalent

LED+ (Red)
 LED- (Black)

Dim+ (Green)
 Dim- (Purple)
 +10V (Yellow)

Programming Port

S/N : 0313000001

Notes:

- 1.- Magtech provides 3 years warranty (standard)
- 2.- Bar code defined by drawing 77-0120.
- 3.- Transformer — Rated Class 130 (B) insulation system
- 4.- Programmable output: Voltage and Current.

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:				
		T I T L E : ESL1025-24-C1400, 100~277V IN, 14~24V, iPOP				
DO NOT SCALE THIS DRAWING		APPROVAL DATE: 07/14/2014	MODEL NO. ESL1025-24-C1400	DWG NO. M20-5029	REV. B0	SH OF 1 1
INTERPRET DRAWING PER ANSI Y14.5M		EFFECTIVE DATE: 08/10/2014				