

Project Name:	Type:
Product Code:	Date:

## VANILLA CONSTANT VOLTAGE DRIVERS




### U5D DRIVERS

The Vanilla Constant Voltage Drivers are a constant voltage, fine tune driver. It features 5 in 1 Dimming: Triac, 0-10V, 1-10V, 10V PWM and, Potentiometer Dimming. They have a dimming range of 0.1-100% that is flicker free. Along with this they feature Short-Circuit protection, Over-Temperature Protection and, Over-Load Protection. They have a very low loading request working perfectly at 10%-100%. Along with this the drivers are included in a high quality aluminium housing for dry, damp and wet location.



### PERFORMANCE

	5 IN 1 DIMMING LED DRIVER		
	30W	60W	96W
VOLTAGE:	110-277VAC		
DIMMING RANGE:	0.1-100% (FLICKER FREE)		
OUTPUT:	24 VDC		
ENCLOSURE:	ALUMINIUM		
DIMMING:	Triac ELV / 0-10V / 10V PWM / POTENIOMETER		
STANDARD:	UL8750, CLASS 2		
WORKING TEMP:	-40~+140°F (-40~+60°C)		
OUTPUT VOLTAGE TUNING:	17V-25V  (Blue Knob)		

FREQUENCY ADJUSTMENT (Black Knob)	
0:4000Hz	5:2000Hz
1:250Hz	6:3600Hz
2:400Hz	7:8000Hz
3:800Hz	8:16000Hz
4:1470Hz	9:20000Hz

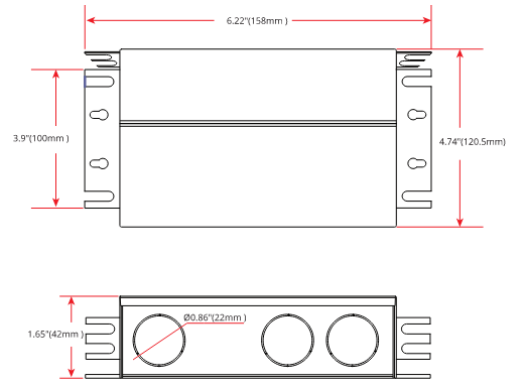
### ORDER INFORMATION

Order Code			
MAKE	MODEL		
VAN	DVR	30W	24-U5D
		60W	
		96W	

### KEY DIMENSIONS

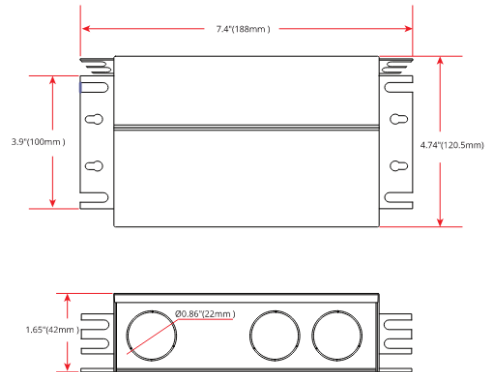
#### 30W / 60W

Length: 6.2" (158mm) Width: 4.74" (120.5mm) Height: 1.65" (42mm)



#### 96W

Length: 7.4" (188mm) Width: 4.74" (120.5mm) Height: 1.65" (42mm)



The Driver is recommended to be mounted in at least 2" of free flow air space to allow for proper ventilation.

**TECHNICAL SPECIFICATIONS**

	30W DRIVER	60W DRIVER	96W DRIVER
RATED POWER:	30W	60W	96W
RATED VOLTAGE:	DC24V		
RATED CURRENT:	1.25A	2.5A	4A
VOLTAGE TOLERANCE:	±0.5V		
VOLTAGE REGULATION:	±0.5%		
LOAD REGULATION:	±1%		
VOLTAGE RANGE:	110-277VAC		
FREQUENCY RANGE:	47-63Hz		
EFFICIENCY (TYP.):	85%@120VAC / 86%@227VAC	87%@120VAC / 88%@227VAC	89%@120VAC / 90%@227VAC
THD:	THD<15%(@100% LOAD)		
POWER FACTOR (TYP.):	0.99@120VAC / 0.98@277VAC		
AC CURRENT (TYP.):	0.35A	0.65A	1.02A
INRUSH CURRENT (TYP.):	18A	20A	25A
CURRENT LEAKAGE:	<0.5mA		
SHORT CIRCUIT:	HICCUP MODE, RECOVERS AUTOMATICALLY AFTER FAULT CONDITION IS REMOVED		
OVER LOAD:	INTELLIGENTLY REDUCE THE OUTPUT VOLTAGE, AUTO-RECOVERY OR RE-POWER ON		
OVER TEMPERATURE:	100°C±10°C SHUT DOWN O/P VOLTAGE, AUTOMATICALLY RECOVER AFTER COOLING		
WORKING TEMP:	TCASE=-40~+140°F (-40~+60°C)		
WORKING HUMIDITY:	20~95% RH NON-CONDENSING		
STORAGE TEMP HUMIDITY:	-40~+194°F (-40~+90°C), 10~95% RH		
TEMP COEFFICIENT:	±0.03%/°C (0~50°C)		
VIBRATION:	10~500Hz, 5G 10min./1 cycle, period for 60min		
SAFETY STANDARDS:	UL8750, CAN/CSA-C22.2 No. 250.13, CLASS 2		
WITHSTAND VOLTAGE:	I/P-O/P:1.88KVAC		
ISOLATION RESISTANCE:	I/P-O/P:100MΩ / 500VDC / 25°C / 70% RH		
EMC EMISSION:	COMPLIANCE TO FCC PART 15, SUBPART B		