

**DMS-500-X UNIVERSAL PWM DIMMER**

**DMS-500-X universal PWM dimmer is designed for smooth, flicker-free dimming of all constant voltage LED modules, including MR16 bulbs as well as 12V/24V Incandescent/Halogen bulbs**

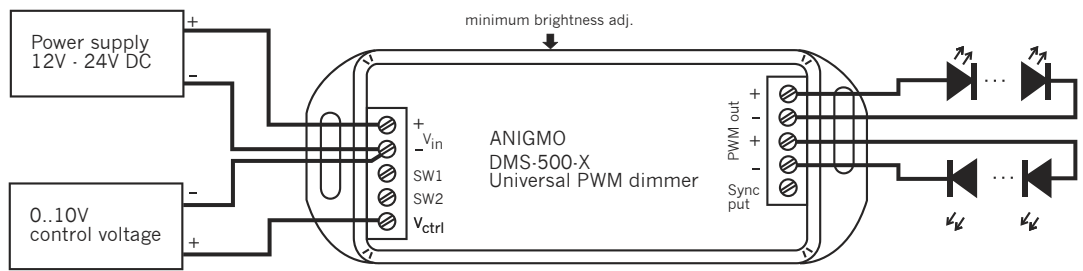
**FEATURES:**

- Very compact housing
- Smoothly dims any LED including hard to dim MR16 bulbs
- Excellent dimmer for 12V/24V Incandescent/Halogen bulbs as well. (3.5A current limit)
- Can be controlled with a variety of input devices including regular wall switches
- High frequency PWM delivers flicker-free lighting at any level
- Minimum brightness adjusted with potentiometer
- High efficiency, low power consumption
- Safe and reliable screw terminals

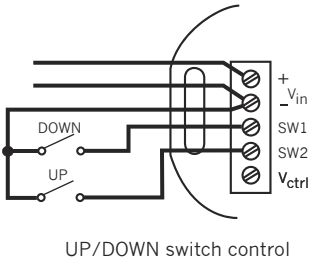
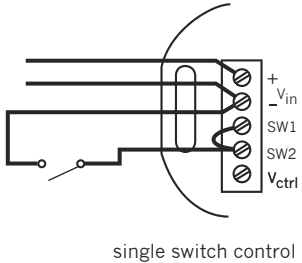
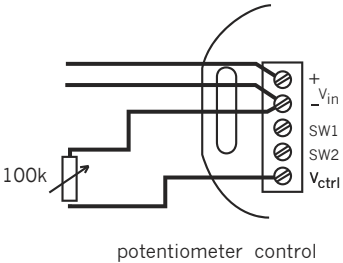
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## DMS-500-X UNIVERSAL PWM DIMMER

TECHNICAL DATA	
• Supply input voltage range nom:	12 – 24 V DC
• Supply input voltage range min - max:	8.5 – 35 V DC
• Supply Input current:	5.0A
• Control voltage:	1-10 V DC (0V - OFF)
• Control current max:	0.1mA
• Control:	1-10 V controls, Pot 100K $\Omega$ , Dry Contact, Open collector
• Dimming mode:	PWM
• Operating frequency:	390 Hz
• Dimming range:	0-100%
• Output current max:	5A (3.5A for incandescent load)
• Output load range:	0 - 42.5W@ 8.5V DC / 0-120W@24V DC
• Temperature range:	-20 C to +50 C
• No-Load proof:	Yes
• Short circuit protection:	Yes, automatic shutoff, reversible
• Overload protection:	Yes, automatic shutoff, reversible
• Overheating protection:	Yes, reversible
• Input and output connections:	Screw terminal AWG 16 max.
• Housing dimensions:	3"x1.5"x0.75"



wiring diagram for 0-10V control



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