

Product Introduction

The SV Series Smart Film transformer switches smart film from clear to opaque by wall switch or wireless remote control. It delivers reliable switch output and long switch life, with over-voltage, overload, and overcurrent protection. The SV Series transformer is compact, lightweight, and easy to install, and works across a wide range of residential and commercial applications.



Technical Parameters

Transformer

Item type	SV Series Smart Film transformer	
Product or component type	Safety and isolation transformer	
Rated power in VA	15 W	up to 21.5 sq ft (2 sq m) of film
	30 W	up to 43 sq ft (4 sq m) of film
	50 W	up to 64.6 sq ft (6 sq m) of film
	100 W	up to 129 sq ft (12 sq m) of film
Input voltage	110 V AC single phase, terminal(s): N-L1	
Output voltage	46 V AC / 60 V AC	
Secondary winding	Single	
Protective cover	Yes	
Ambient air temperature for operation	-4 to 122 °F (-20 to 50 °C)	

Controller

Type	Wireless controller
Frequency	315 MHz
Battery	1 x 12 V DC
Function	On / Off
Remote control distance	Over 82 ft (25 m)
Size	4.72 x 1.81 x 0.55 in (120 x 46 x 14 mm)
Weight	2.8 oz (80 g)

Complementary of Transformer

Input voltage limits	120 V
Network frequency limits	47 to 63 Hz
Input voltage tolerance	+/- 15 V
Efficiency	98%
Material	100% copper
Power dissipation in W	1 W, 2 W
Output sustained overvoltage	4% (no load, hot state) 0.50%
Maximum voltage drop at rated load / No load losses	0.5 W

Output protection type	Against overload, protection technology Against overvoltage, protection technology Against short-circuits, protection technology		
Connections - terminals	Input connection: screw type terminals, connection capacity AWG 14 (2 mm ²) Output connection: screw type terminals, connection capacity AWG 23 (0.2 mm ²)		
Marking	CE		
Fixing mode	Operating position: horizontal or vertical		
Operating altitude	Up to 9,843 ft (3,000 m)		
Electrical insulation class	Class B		
Size & weight (W x D x H)	15 W	2.95 x 0.98 x 4.92 in (75 x 25 x 125 mm)	0.77 lb (0.35 kg)
	30 W	3.46 x 1.18 x 5.91 in (88 x 30 x 150 mm)	1.76 lb (0.8 kg)
	50 W	4.33 x 1.81 x 7.05 in (110 x 46 x 179 mm)	2.65 lb (1.2 kg)
	100 W	4.33 x 1.81 x 7.05 in (110 x 46 x 179 mm)	3.53 lb (1.6 kg)

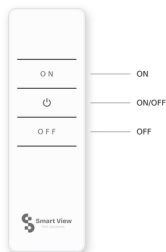
Environment

Product certifications	CE, EMC
Standards	EN 62479
IP degree of protection	IP21
Protective treatment	TC
Ambient air temperature for storage	-40 to 176 °F (-40 to 80 °C)
Overvoltage category	Class I conforming to VDE 0106-1
Dielectric strength	2,000 V between winding and ground

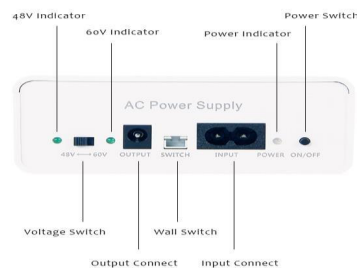
Contractual Warranty

Warranty	1 year
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Controller



Terminal



Wiring Diagram

