

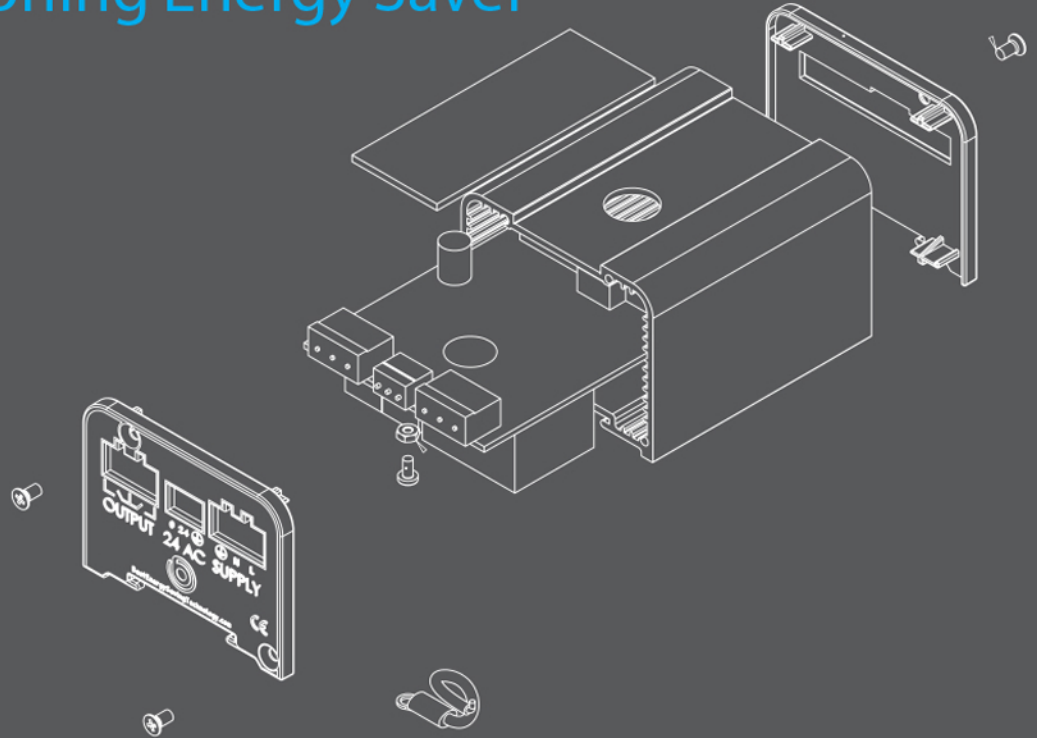
LEDOLAS

Lighting | Energy | Decontamination



ACES

Air Conditioning Energy Saver



Description:

A retrofit air conditioning performance optimiser designed to maintain or improve levels of comfort in compact force cooled air-conditioning systems, while simultaneously reducing compressor run-time by efficient output air temperature control and intelligent compressor switching.



Technical Data:

Supply Voltage:	100-230V AC, or 24V AC
Switching Voltage:	24V AC – 230V AC.
Control Load:	12 Amp continuous.
Contact Function:	Normally open.
Sensor Function:	Encapsulated digital thermistor accurate to +/- 0.2 deg.c.
Connectors:	External easy fit plug-in sockets.
Anti-short Cycle Protection:	2 Minutes following switching.
Operating Temperature:	0 – 60 degrees centigrade.
Enclosure:	Bespoke aluminium powder coated extrusion suitable for DIN rail mounting with acrylic faceplate and moulded ABS end caps.
Display Technology:	Multi functional LED displaying full operational control and savings mode.
Dimensions in mm:	L 62 x H 68 x D 50.
Control:	Atmel ATmega16 AVR RISK architecture microcontroller.
Embedded Software:	BEST bespoke self-learning and adaptive control algorithms.
Shipping Weight:	0.325 Kg
Storage & Transport:	Storage temperature min. -25°C, max. 85°C Relative humidity min. 10%, max. 95%, non condensing
MTBF:	Predicted survival rate of 89.5% after 10 years.
Operational Relative Humidity:	Min 10% - max 95%, non condensing.
IP Rating:	IP20.
Environmental:	Complies with RoHS and WEEE.
Warranty:	BEST guarantees to the purchaser that this product is free of defects in material and workmanship for twelve months, commencing from the date of purchase. ACES is warranted only in normal use. It does not cover failures caused by improper installation, abuse, misuse, modification or alteration of electrical circuitry or physical construction and events beyond our control.
Patent Protection:	ACES technology is incorporated in BEST UK patent application number is 91001GB.
EMC Directive:	ACES conforms to the requirements of the standards in respect of the European EMC directive, 2004/108/EC.
Low Voltage Directive:	ACES conforms to the standards in respect of the low voltage directive, 2006/95/EC. IEC60335-1:2010, EN60335-1:2012 Household and similar electrical appliances