TIS AIR ENERGY SERVANT
WI-FI SENSOR WITH IR EMITTER

Data Sheet Rev 3.1

Model: AIR-ES-IR

OVERVIEW

AIR Energy Servant 10-Functions Sensor is a wireless ceiling sensor that detects movement, brightness level, and temperature and features relay output, infrared emitter, and 32 logic and timer lines with great capabilities for the most efficient energy use. It enables home theater appliances control by infrared.

KEY BENEFITS

+ Direct Wi-Fi Connectivity
+ Control over Media Appliances such as TV, DVD, TV Box.
+ Control over Split Air Conditioning
+ Saving Energy in an Unoccupied Room.
+ Monitoring Room Temperature
+ Monitoring Home Security Zones
+ Working with the TIS Remote Control

KEY FEATURES

★ Celling mount, 180-degree Infrared Control
★ Contains a Code Library of more than 1000 Brands Infrared Info.
★ Saves an Additional 200 Infrared Codes, using the TIS IR Learner
★ Works with the TIS-BUS Protocol
★ 32 Lines of Energy Saving Logics
★ PIR Motion Sensor & Lux Meter for Light Intensity Detection

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PRODUCT SPECIFICATIONS		
Input	PIR motion sensor	Dual element pyro-electric ceramic
	IR receiver	TIS Infrared code receiver
	Temp sensor	Resistance temp sensor
	Light intensity Meter	Detection range 0-2000 Lux
Detection	PIR range	4-6 meters (installation height 2.6 - 3 meters)
	PIR detection angle	110° from the celling down
Power supply	Input Voltage	80-240 VAC 50/60 Hz
	Output Power	3W / 12V
	Protection	Built-in protection fuse
	Current consumption	10-30 mA / 12 V DC
Output	Infrared transmitters	4 probes to cover 260 degree
	Number of channels	1
	Nominal voltage	0 – 230 V AC 50/60 Hz
	Nominal current per channel	8 A / 230 VAC
Output switching current	Max switching current	10A/230 VAC Resistive
		6A/230 VAC Florescent
	Max Continues current	8A/230 VAC
	Max. switching Voltage	277VAC / 30VDC
Output service life	Mechanical Endurance	> 10,000,000 OPS
TIS AIR	WIFI Signal	2.4 GHz
	Protocol Standard	802.11 b/g/n
Reaction time		approx. 30ms
Mounting	Celling mount	by 2 screws on the base of the sensor
Operating and display elements	Programming button	For assignment of the physical address
	Indicator LED	Blue and Red LED
	Upgrading	BY WIFI
Functions	Logic/ Timers	32 Timers and Logic conditions
	IR Code memory / Flags	200 IR code memory and flags
	Security Function	Away, Night, Day, fire alarm setting
	IR receiver	12 buttons function
Weight	Without packaging	0.07 KG

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PRODUCT SPECIFICATIONS		
⊞ **Dimensions**	Length × Width × Height	92mm × 39mm × 92mm
⟦⟧ **Housing**	Materials Casing color Base color IR window cover IP rating	ABS fire-proof / PC fire-proof Gray White Black Transparent White IP 20
🌡 **Temperature range**	Operation Storage Transport	-10…60°C -20…50°C -25…75°C
⬖ **Air humidity**		<85% non-condensing
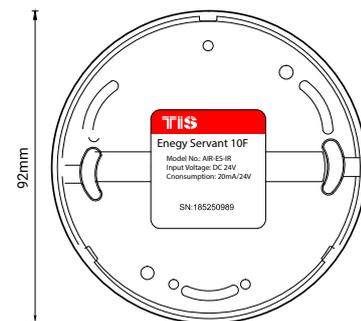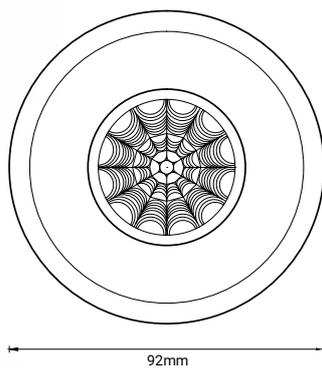
92mm

TIS
Enegy Servant 10F
Model No: AIR-ES-IR
Input Voltage: DC 24V
Cnonsumption: 20mA/24V

SN:185250989

92mm

39mm

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