ELECTRICAL

EDITION FOUR

RA

RED ARROW

Electrical

Our Electrical section covers essential safety and protection products, from smoke, heat and carbon monoxide alarms to medical grade air sterilisation units. The CTI Consumer Unit range provides a complete solution including: mains isolator, RCDs, RCBOs & MCBs options for safe power distribution.

SMOKE, HEAT & CARBON MONOXIDE ALARMS

Red Arrows latest professional range of Smoke, Heat & Carbon Monoxide alarms are all BSI kitemarked to ensure complete peace of mind for all property types.

Choose between mains range with sealed or replaceable battery and RF/wired interconnect or battery range with replaceable battery and RF linking capabilities up to a maximum of 40 devices. Suitable for BS 5839-6:2019+A1:2020 Installations.

Range of accessories including battery operated carbon alarm, remote controller and optional pattress kit.

Features

- Designed to detect and raise an alarm for smoke, heat or carbon monoxide gas

- Mains range includes sealed and replaceable battery options, with RF and wired interconnection

- Battery range includes replaceable battery and RF interconnection

- BSI Kitemarked for complete peace of mind

- Compliant to BS 5839-6:2019+A1:2020 Grade D1, D2 & F1

- Compliant to BS 5839-6:2019+A1:2020 Grade D1, D2 & F1

- Interconnect up to 40 devices

- All sensors are 100% tested, NOT batch tested

5 YRS WARRANTY

INTER CONNECT

Smoke Alarm
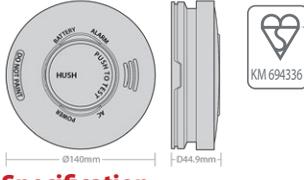### SHC-BAT-SM
BATTERY OPERATED SMOKE ALARM
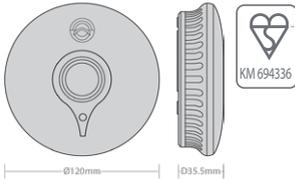
Ø120mm · D35.5mm · KM 694336

Specification

Sensor Type:	Photoelectric
Power Source:	3V CR17450 Lithium
Battery Life:	10 Year
Battery:	Sealed
Alarm Sound:	>85db at 3m
Safety Standard:	BS EN 14604: 2005+AC:2008

Smoke Alarm
SHC-WIR-SM
MAINS/BATTERY OPERATED SMOKE ALARM

Ø140mm · D44.9mm · KM 694336

Specification

Sensor Type:	Photoelectric
Supply Voltage:	220-240V
Battery Type:	DC 9V
Battery Life:	5 Year
Battery:	Replaceable
Alarm Sound:	>85db at 3m
Safety Standard:	BS EN 14604: 2005+AC:2008

Smoke Alarm
SHC-WIR-SM-10YR
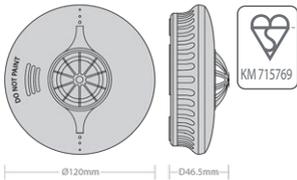MAINS/BATTERY OPERATED SMOKE ALARM
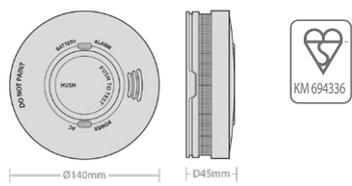
Ø140mm · D45mm · KM 694336

Specification

Sensor Type:	Photoelectric
Supply Voltage:	220-240V
Battery Type:	3V CR17450 Lithium
Battery Life:	10 Year
Battery:	Sealed
Alarm Sound:	>85db at 3m
Safety Standard:	BS EN 14604: 2005+AC:2008

Heat Alarm
SHC-BAT-HE
BATTERY OPERATED HEAT ALARM

Ø120mm · D46.5mm · KM 715769

Specification

Sensor Type:	NTC Thermistor
Power Source:	3V CR17450 Lithium
Battery Life:	10 Year
Battery:	Sealed
Alarm Sound:	>85db at 3m
Safety Standard:	BS 5446-2:2003

Heat Alarm
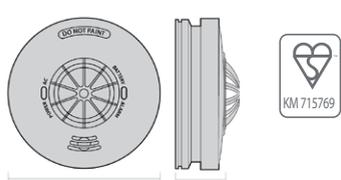### SHC-WIR-HE
MAINS/BATTERY OPERATED HEAT ALARM
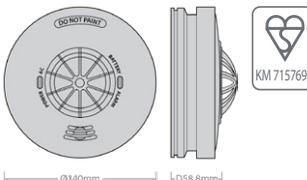
Ø140mm · D58.8mm · KM 715769

Specification

Sensor Type:	NTC Thermistor
Supply Voltage:	220-240V
Battery Type:	DC 9V
Battery Life:	5 Year
Battery:	Replaceable
Alarm Sound:	>85db at 3m
Safety Standard:	BS 5446-2:2003

Heat Alarm
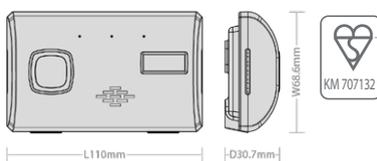### SHC-WIR-HE-10YR
MAINS/BATTERY OPERATED HEAT ALARM

140mm · 61mm · KM 715769

Specification

Sensor Type:	NTC Thermistor
Supply Voltage:	220-240V
Battery Type:	3V CR17450 Lithium
Battery Life:	10 Year
Battery:	Sealed
Alarm Sound:	>85db at 3m
Safety Standard:	BS 5446-2:2003

Accessories SHC-BAT-CA
STANDALONE CARBON MONOXIDE ALARM

L110mm · W68.6mm · D30.7mm · KM 707132

Specification

Sensor Type:	Electrochemical
Power Source:	3V CR17450 Lithium
Battery Life:	10 Year
Battery:	Sealed
Alarm Sound:	>85db at 3m
Safety Standard:	BS EN 50291-1:2018

Code	Description
SHC-WIR-SM	Mains Operated Smoke Alarm 5yr Replaceable RF/Wired
SHC-WIR-SM-10YR	Mains Operated Smoke Alarm 10yr Sealed RF/Wired
SHC-WIR-HE	Mains Operated Heat Alarm 5yr Replaceable RF/Wired
SHC-WIR-SM-10YR	Mains Operated Heat Alarm 10yr Sealed RF/Wired
SHC-BAT-SM	Battery Operated Smoke Alarm 10yr Sealed RF
SHC-BAT-HE	Battery Operated Heat Alarm 10yr Sealed RF
SHC-BAT-CA	Battery Operated Standalone Carbon Alarm 10yr Sealed
SHC-PAT	Smoke / Heat Pattress
SHC-RC	Alarm Remote Control

X-SENSE
SMOKE, HEAT & CARBON MONOXIDE ALARMS

X-Sense are an industry leading brand in smart smoke, heat and carbon monoxide alarms offering complete peace of mind for your entire home.

Red Arrow exclusively offers X-Sense range of alarms all tested to relevant European and British standards. All pro connected alarms can be interlinked and when paired with a Home Hub can be controlled and monitored whilst away from home using the X-Sense App..

Features

- Modern, small discrete design
- Battery operated for maximum flexibility
- Quick and easy to install and interlink
- XS01 Standalone Smoke Alarm BSI Kitemarked for peace of mind
- Pro connected linkable up to 24 wireless units
- Transmission range over 250m in open air
- All sensors are 100% tested, NOT batch tested

5 YRS WARRANTY

INTER CONNECT

KM 742936*

KM 742936*

CO 0 PPM

MODEL: XC01-M

TEST/◀×

Green - Power   Red - Alarm   Yellow - Fault
Carbon Monoxide Alarm (Type B)

KM 742936*
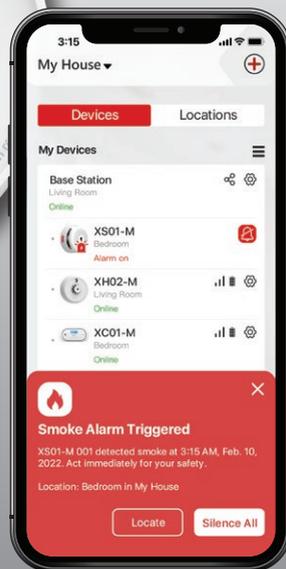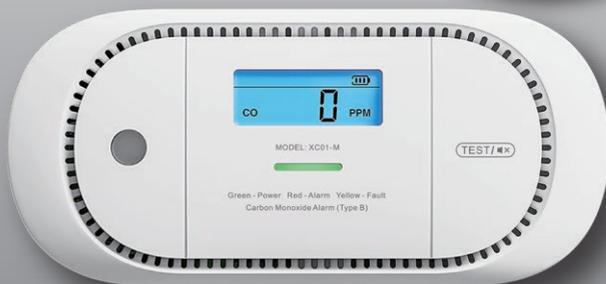
XS01 - STANDALONE SMOKE ALARM

Sensor Type:	Photoelectric
Power Source:	3V CR123A Lithium
Battery Life:	10 Year
Battery:	Sealed
Alarm Sound:	>85dB at 3m
Safety Standard:	BS EN 14604:2005+AC:2008

XH02-M - PRO CONNECTED HEAT ALARM

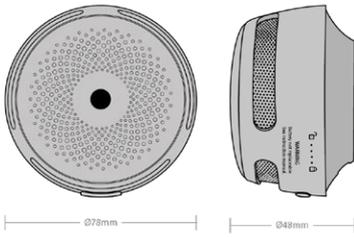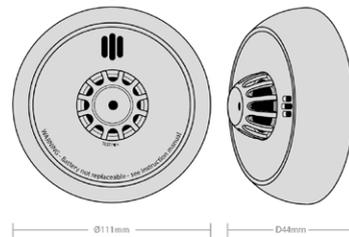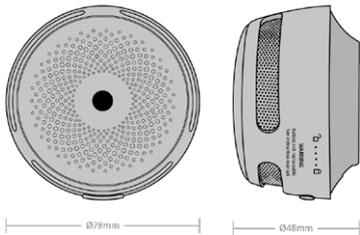|	
Sensor Type:	NTC Thermistor
Power Source:	3V CR123A Lithium
Battery Life:	10 Year
Battery:	Sealed
Alarm Sound:	>85dB at 3m
Safety Standard:	BS 5446-2:2003 CLASS:A1

XS01-M - PRO CONNECTED SMOKE ALARM

Sensor Type:	Photoelectric
Power Source:	3V CR123A Lithium
Battery Life:	10 Year
Battery:	Replaceable
Alarm Sound:	>85dB at 3m
Safety Standard:	BS EN 14604:2005+AC:2008
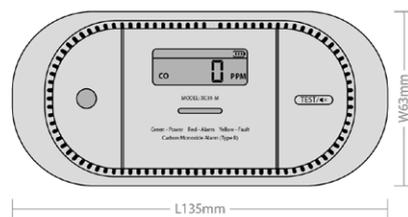
XC01-M - PRO CONNECTED CARBON MONOXIDE ALARM

Sensor Type:	Electrochemical
Power Source:	3V CR123A Lithium
Battery Life:	10 Year
Battery:	Replaceable
Alarm Sound:	>85dB at 3m
Safety Standard:	BS EN 50291-1:2018
Sensitivity:	30ppm (>120 mins), 50ppm (60-90mins) 100ppm (10-40mins), 300ppm (0-3mins)

Accessories SBS50
PRO CONNECTED HOME BASE
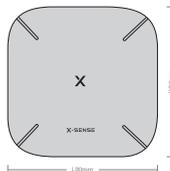
Power Source	100-240V AC 50/60 Hz
Alarm Volume	100 dB
Frequency	2.4 GHz
Wi-Fi Range	170ft (50m)
Operating Temp	40-100ºF
Wireless Protocol	IEEE 802.11 b/g/n

Product Code	Description
XS01	Standalone Photoelectric Smoke Alarm
XS01-M	Pro Connected Photoelectric Smoke Alarm
XH02-M	Pro Connected Heat Alarm
XC01-M	Pro Connected Carbon Monoxide Alarm
SBS50	Pro Connected Home Base station

CTI CONSUMER UNITS

INCLUDES 100A ISOLATOR

Our CTI range of metal clad consumer units are supplied with a mains isolator only. This permits full flexibility in the selection of RCDs, RCBOs and MCBs. An empty mini enclosure is also available.

5 YRS WARRANTY **IP2XC** **IK05**

Features

• Sturdy metal construction, compliant with BS7671 Amendment 3

• Supplied with 100A mains isolator (except ZCO4MC)

• Floating busbar for maximum installation flexibility

• Compatible with CTI RCDs, RCBOs and MCB range

ZM18MC

ZC04MC

ZMO4MC

Specification

Material:	Steel
IP Rating:	IP2XC
IK Rating:	IK05
Working Temperature:	-20°C to 50°C
Warranty:	5 Years
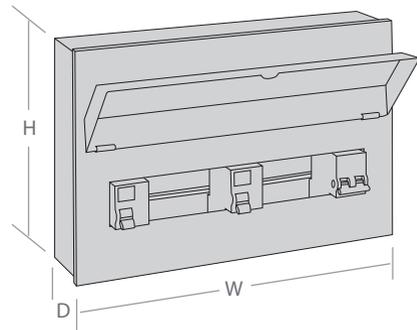
Dimensions

Product Code	Description	Dimensions	Mains Isolator	Capacity	MCBs Included
ZM04MC	Consumer Unit with Mains Isolator	H: 240 x W: 143 x D: 108mm	100A	4 Way	No
ZM14MC	Consumer Unit with Mains Isolator	H: 240 x W: 325 x D: 108mm	100A	14 Way	No
ZM18MC	Consumer Unit with Mains Isolator	H: 240 x W: 397 x D: 108mm	100A	18 Way	No
ZC04MC	Mini Enclosure	H: 225 x W: 115 x D: 63mm	N/A	4 Way	No

CTI CONSUMER UNITS

INCLUDES 100A ISOLATOR & 100A TYPE A RCDS

For convenience, these CTI consumer units are pre-fitted with a mains isolator & RCDs ready for population with your choice of MCBs and surge protection device. Options include IET 18th Edition compliant dual RCD boards.

5 YRS WARRANTY **IP2XC** **IK05**

Features

- Sturdy metal construction, with hinged visor

- Supplied with 100A mains isolator plus RCDs

- Dual RCD boards for IET 18th Edition compliance

- Allows installer to select MCBs, RCBOs and SPD for full compliance with IET 18th Edition

ZC14MC

ZC18-17MC

ZC21-17MC

Specification

Material:	Steel
IP Rating:	IP2XC
IK Rating:	IK05
Working Temperature:	-20°C to 50°C
Warranty:	5 Years

Dimensions

H

W

D
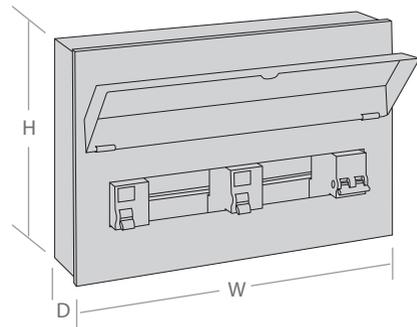
Product Code	Description	Dimensions	Mains Isolator	RCD	Capacity	MCBs Included
ZC14MC	Consumer Unit	H: 240 x W: 325 x D: 108mm	100A	80A 30mA	14 Way	No
ZC14-17MC	Consumer Unit	H: 240 x W: 325 x D: 108mm	100A	2x100A 30mA	14 Way	No
ZC16-17MC	Consumer Unit	H: 240 x W: 361 x D: 108mm	100A	2x100A 30mA	16 Way	No
ZC18-17MC	Consumer Unit	H: 240 x W: 397 x D: 108mm	100A	2x100A 30mA	18 Way	No
ZC21-17MC	Consumer Unit	H: 240 x W: 451 x D: 108mm	100A	2x80A 30mA	21 Way	No

CTI CONSUMER UNITS

INCLUDES 100A ISOLATOR, RCDS & MCBS

Offering maximum convenience and ease of stocking, our pre-loaded CTI consumer units are supplied with a mains isolator, RCDs and MCBs. A handy garage unit is also available with an RCD and 2 MCBs.

5 YRS WARRANTY · **IP2XC** · **IK05**

Features

- Sturdy metal construction with hinged visor

- Pre-loaded with isolator, RCDs and MCBs (except ZG04MC)

- Dual RCD boards for IET 18th Edition compliance (except ZG04MC)

- Type A DC sensitive RCDs & RCBOs, plus Surge Protection Device available separately for IET 18th Edition compliance
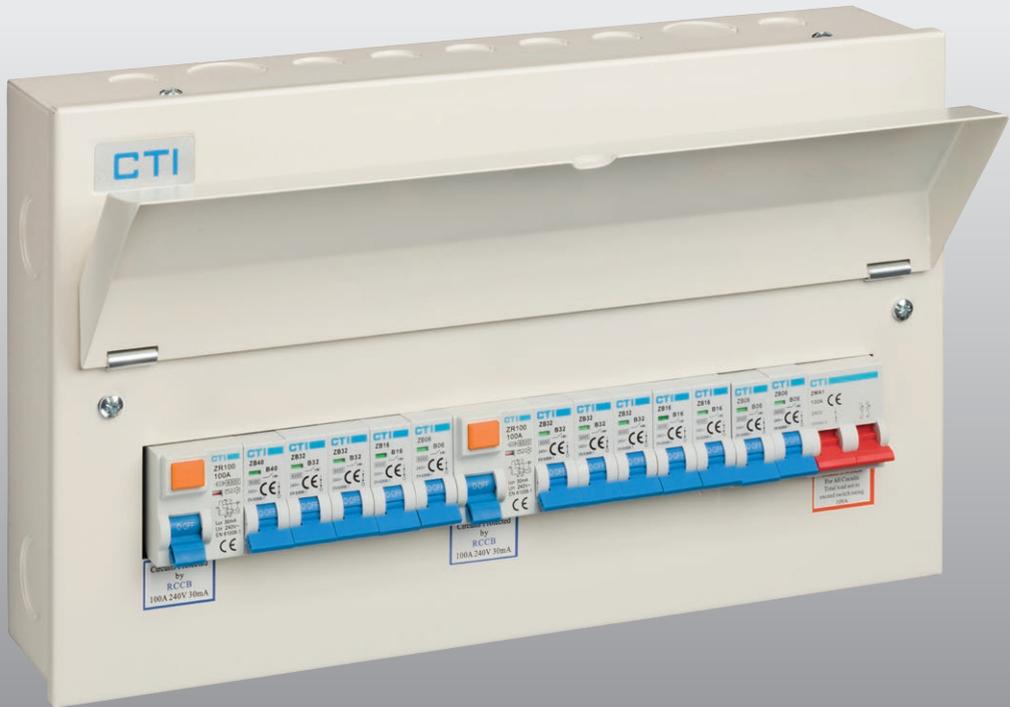
ZG04MC

ZC14-17MC-8L

ZC16-17MC-10L

ZC21-17MC-12L

Specification

Material:	Steel
IP Rating:	IP2XC
IK Rating:	IK05
Working Temperature:	-20°C to 50°C
Warranty:	5 Years
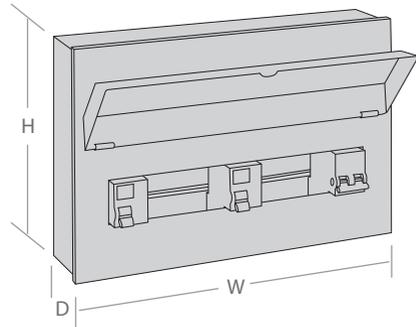
Dimensions

Product Code	Description	Dimensions	Mains Isolator	RCD	Capacity	MCBs Included
ZC14-17MC-8L	Consumer Unit	H: 240 x W: 325 x D: 108mm	100A	2x100A 30mA	14 Way	3x6A, 1x16A, 3x32A, 1x40A
ZC16-17MC-10L	Consumer Unit	H: 240 x W: 361 x D: 108mm	100A	2x100A 30mA	16 Way	3x6A, 2x16A, 4x32A, 1x40A
ZC18-17MC-12L	Consumer Unit	H: 240 x W: 397 x D: 108mm	100A	2x100A 30mA	18 Way	3x6A, 3x16A, 4x32A, 2x40A
ZC21-17MC-12L	Consumer Unit	H: 240 x W: 451 x D: 108mm	100A	2x100A 30mA	21 Way	4x6A, 3x16A, 4x32A, 1x40A
ZG04MC	Garage Unit	H: 185 x W: 142 x D: 105mm	N/A	1x100A 30mA	4 Way	1x6A, 1x32A

CTI CIRCUIT DEVICES
MCBS, RCBOS, RCDS, SURGE PROTECTION & MAINS ISOLATOR

A full range of circuit protection devices to complement the CTI range of consumer units. Includes Type A, DC sensitive RCDs and RCBOs.

Features

• Double pole mains switch

• B Curve MCBs with 6KA breaking capacity

• Type A, DC sensitive RCDs and RCBOs

• Designed for use with CTI consumer units

ZMA1

ZR100/A

ZCBO16/M/A

ZSPD

ZB06

Specification

Material:	Nylon PA66
Working Temperature:	-20°C to 50°C
Warranty:	5 Years

Dimensions

Mains Isolator & RCDs	H: 83 x W: 35 x D: 73mm
MCBs, RCBOs & SPD	H: 83 x W: 17.5 x D: 73mm

Isolator, Surge Protection & Transformer

Product Code	Description	Rated Current
ZMA1	Main Isolator - DP	100A
ZSPD	Surge Protection Device	20kA nom 40kA max
ZBL	Bell Transformer 4P 8VA	N/A

MCBs B Curve

Product Code	Description	Rated Current
ZB06	MCB - B Curve 6kA	6A
ZB10	MCB - B Curve 6kA	10A
ZB16	MCB - B Curve 6kA	16A
ZB20	MCB - B Curve 6kA	20A
ZB32	MCB - B Curve 6kA	32A
ZB40	MCB - B Curve 6kA	40A
ZB45	MCB - B Curve 6kA	45A
ZB50	MCB - B Curve 6kA	50A
ZB63	MCB - B Curve 6kA	63A

MCBs C Curve

Product Code	Description	Rated Current
ZB06C	MCB - C Curve 6kA	6A
ZB10C	MCB - C Curve 6kA	10A
ZB20C	MCB - C Curve 6kA	20A
ZB40C	MCB - C Curve 6kA	40A

RCBOs

Product Code	Description	Rated Current
ZCBO6/M	RCBO - 30mA Type AC	6A
ZCBO10/M	RCBO - 30mA Type AC	10A
ZCBO16/M	RCBO - 30mA Type AC	16A
ZCBO20/M	RCBO - 30mA Type AC	20A
ZCBO40/M	RCBO - 30mA Type AC	40A
ZCBO6/M/A	RCBO - 30mA Type A	6A
ZCBO10/M/A	RCBO - 30mA Type A	10A
ZCBO16/M/A	RCBO - 30mA Type A	16A
ZCBO20/M/A	RCBO - 30mA Type A	20A
ZCBO32/M/A	RCBO - 30mA Type A	32A
ZCBO40/M/A	RCBO - 30mA Type A	40A

RCDs

Product Code	Description	Rated Current
ZR25	RCD - 30mA Type AC	25A
ZR40	RCD - 30mA Type AC	40A
ZR80-1	RCD - 100mA Type AC	80A
ZR25/A	RCD - 30mA Type A	25A
ZR40/A	RCD - 30mA Type A	40A
ZR63/A	RCD - 30mA Type A	63A
ZR80/A	RCD - 30mA Type A	80A
ZR100/A	RCD - 30mA Type A	100A

KT2 AIR STERILISER

KT2 features the largest medical grade HEPA14 filter available plus UV-C lamps. The result is an air steriliser that destroys and removes bacteria, viruses (including coronavirus), fungi and pollution from the air - quickly and effectively.
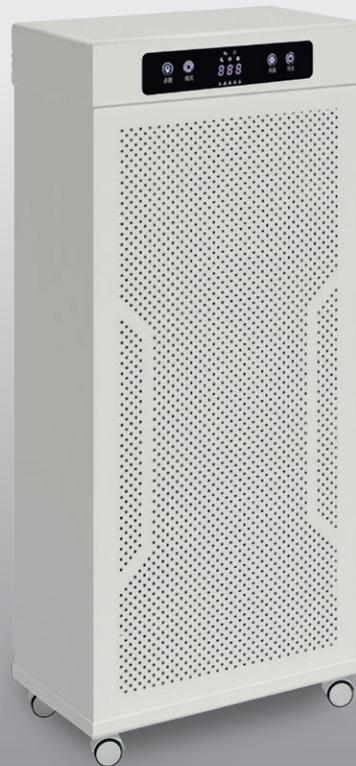
5 YRS WARRANTY

Control from anywhere with the **TUYA** app

Smart

CONNECTED BY **tuya**

Features

• Proven Dual Technology Air Sterilisation

• Independent European lab* testing certifies >99.97% removal of SARS-CoV-2 (Coronavirus)

• UV-C lamp, Medical Grade HEPA Filter & Activated Carbon Filter

• Fully automatic and safe to use, even in occupied areas

• Purchase, lease or rent options

*Airmid Healthgroup biomedical research facility, Dublin. Report No. ASCR092502
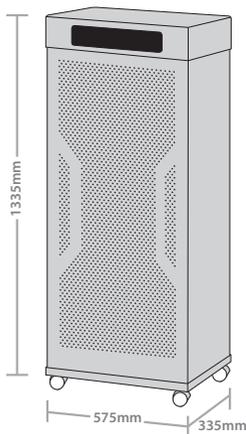
Specification

Supply:	230V 13A Plug
Power:	140W
Remote Control:	Hand held and TUYA App
Coverage:	150m^2 (based on 2.8m ceiling height)
Noise:	Speed 1-2 - 25dB Max Speed 65dB
Filters:	HEPA H14 Medical Grade Activated Carbon
UVGI Technology	UV-C lamps (2x15W)
Airflow:	1200m^3 per hour. Equivalent to 8 air changes / hour
24 Hour Use:	Night setting
Air Purity Indicator:	PM 2.5 intelligent sensors with auto fan speed
CO2 Monitor	Featured on KT2/PRO

For detailed specification and certification, or to organise a product demonstration, please contact Red Arrow sales.

1335mm

575mm   335mm

Dust Particles PM10 10μm	Red Blood Cell 7μm	PM 2.5 2.5μm	Bacillus Bacteria 0.5μm	Corona-Virus 0.14μm

Product Code	Description	Coverage	Air Changes	Tuya Compatible
KT2	Dual Technology Medical Grade Air Steriliser	150m^2	8 Per Hour	-
KT2/PLUS	So Pure KT2 Purified Air Unit 150 sq mtr (Tuya Controlled)	150m^2	8 Per Hour	✓
KT2/PRO	So Pure KT2 Purified Air Unit 150 sq mtr w/CO2 Monitor	150m^2	8 Per Hour	✓
KT2/FLT	Replacement Filter Kit (HEPA-14 & Activated Carbon)			
KT2/UVC	Replacement UV-C lamp (order 2 per machine)			

KT3 AIR STERILISER

KT3 features a medical grade HEPA13 filter, plus UV-C lamps and a UV lamp activated Titanium Oxide catalytic action filter. This combination is perfect for the 'multiple barrier' approach to destroy and remove viruses, bacteria, organic compounds and pollution from the air, proven by test certification.

5 YRS WARRANTY

Control from anywhere with the **TUYA** app
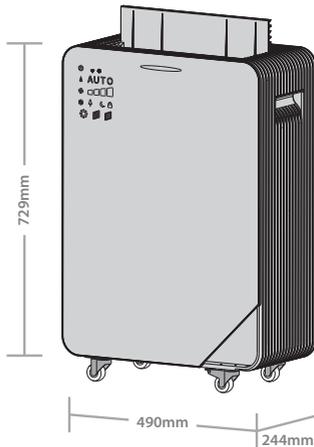
Smart

CONNECTED BY
tuya

Features

• Proven Dual Technology Air Sterilisation

• Independent European lab* testing certifies >99.99% removal of SARS-CoV-2 (Coronavirus)

• UV-C lamp, Medical Grade HEPA Filter & Activated Carbon Filter

• Fully automatic and safe to use, even in occupied areas

• Purchase, lease or rent options

*Airmid Healthgroup biomedical research facility, Dublin. Report No. ASCR092503

Specification

Supply:	230V 13A Plug
Power:	100W
Remote Control:	Hand held and TUYA App
Coverage:	90m² (based on 2.8m ceiling height)
Noise:	Speed 1-2 - 25dB Max Speed 65dB
Filters:	HEPA H13 Medical Grade Activated Carbon Activated Titanium Oxide
UVGI Technology	UV-C lamps (2x15W)
Airflow:	720m³ per hour. Equivalent to 8 air changes / hour
24 Hour Use:	Auto night setting
Air Purity Indicator:	PM 2.5 and TVOC intelligent sensors with auto fan speed

For detailed specification and certification, or to organise a product demonstration, please contact Red Arrow sales.

729mm

490mm

244mm

Dust Particles PM10 10µm	Red Blood Cell 7µm	PM 2.5 2.5µm	Bacillus Bacteria 0.5µm	Corona-Virus 0.14µm

Product Code	Description	Coverage	Air Changes	Tuya Compatible
KT3	So Pure KT3 Dual Technology Purified Air Unit	90m²	3 Per Hour	-
KT3/PLUS	So Pure KT3 Dual Technology Purified Air Unit (Tuya Controlled)	90m²	3 Per Hour	✓
KT3/FLT	Replacement Filter Kit (HEPA-14 & Activated Carbon)			
KT3/UVC	Replacement UV-C lamp (order 2 per machine)			
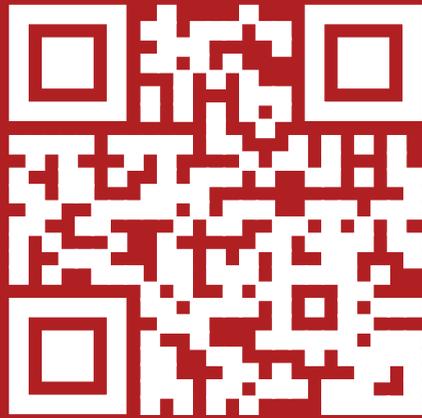
UP TO £1,000 OFF*

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Barnsley, S73 0UF.

Call us 0114 279 8999
sales@redarrowelectrical.co.uk

*Terms & Conditions – Save up to £1,000 on an
online order

RA
RED ARROW