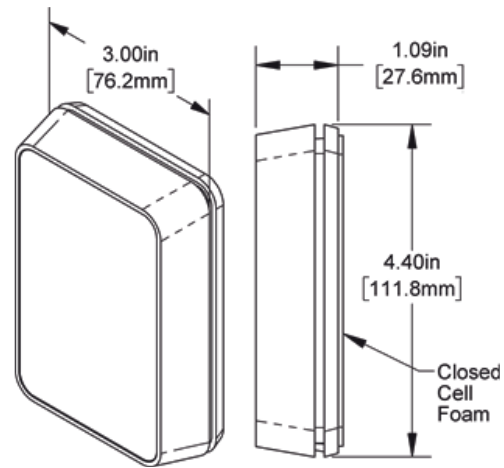


Lossnay CO₂ Control Package

Kooltech supply a range of standalone CO₂ sensors that can be used to accurately detect the presence of carbon dioxide within a room. Manufactured to the highest standard, the sensor can adjust the Lossnay speed to suit the number of people within a space and therefore improve the efficiency of an already proficient Lossnay system. By adjusting the speed of the Lossnay, the system will provide a cost-saving over a 12-month period.

KS-BA CO₂ Room Sensor

Power:	12 to 24VDC, 240 mA 18 to 24VAC, 12VA Peak
CO₂ Sensing Elements:	Single Channel or Dual Channel Non-Dispersive Infrared (NDIR)
Field Selectable Voltage Output:	0 to 5 or 0 to 10VDC Termination: 3 Terminals, 16 to 22 AWG
Operating Environment:	0 to 50°C 0 to 95%RH non-condensing
Enclosure Material:	ABS Plastic, Material Rated UL94V-O
CO₂ Detection Range:	0 to 2,000, 0 to 5,000, 0 to 10,000 and 0 to 50,000 Start-Up Time: <2 Minutes Response Time: <2 Minutes for 90% step change typical (after start-up)
Mounting:	Junction Box or drywall – screws provided
CO₂ Accuracy (Single Channel Units):	400 to 1,250 ppm: ±30ppm or 3% of reading, whichever is greater 1,250 to 2,000 ppm: ±5% of reading + 30ppm
CO₂ Accuracy (Dual Channel “24/7” Units):	75ppm or 10% of reading (whichever is greater)
CO₂ Drift Stability (Dual Channel “24/7” Units):	<5% of full scale over life of product.
LED CO₂ Level Indicator	(for 0 to 2,000 PPM units only): Good, Green < 1,000 PPM Fair, Yellow = 1,000 to 1,500 PPM Poor, Red > 1,500 PPM
Certifications:	RoHS
Warranty Period:	5 Years

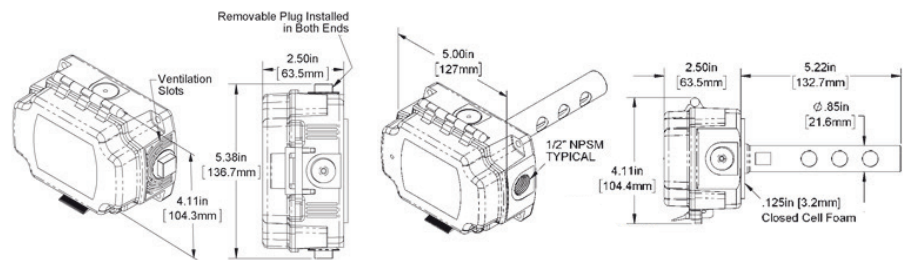


Model	Description	Dimensions (L x W x H)	K-con Code
KS-BA/AQX-D	CO ₂ Lossnay Control Package 0-10V	111.8 x 76.2 x 27.6mm	10100366
KSTR12-JI	12VDC Transformer	75mm x 47.5mm x 26.5 mm	10100487
KSTR24-JI	24VDC Transformer	75mm x 47.5mm x 26.5 mm	10100488

CO₂ Duct and Harsh Environment Sensors

The KS-BA CO₂ Duct and Harsh Environment Sensor is an accurate and reliable way of incorporating demand-controlled ventilation for Mitsubishi Lossnay units. The Duct unit samples duct air using an aspiration tube. The Harsh Environment unit features a ventilated Box and is ideal for areas such as outdoor air plenums, equipment rooms, green houses and warehouses. The CO₂ level is indicated as 'Good, Fair or Poor' by three LED's on the front of the unit.

Power:
12 to 24VDC, 240 mA 18 to 24VAC, 12 VA Peak
Field Selectable Voltage Output:
0 to 5VDC
Termination:
3 Terminals, 16 to 22 AWG
Operating Environment:
0 to 50°C 0 to 95% RH non-condensing
Enclosure Rating:
Unventilated BAPI-Box: IP66
Encl. Material:
Polycarbonate, UL94 V-O
CO₂ Detection PPM Range:
0 to 2,000 Start-Up Time: <2 Minutes Response Time: <2 Minutes for 90% step change typical (after start-up)
LED CO₂ Level Indicator
Good, Green < 1,000 PPM Fair, Yellow = 1,000 to 1,500 PPM Poor, Red > 1,500 PPM
CO₂ Sensing Elements:
ACD: Single Channel Non-Dispersive Infrared DCD: Dual Channel Non-Dispersive Infrared
CO₂ Drift Stability (DCD "24/7" Units):
<5% of full scale over life of product.
CO₂ Accuracy (DCD Units):
75ppm or 10% of reading (whichever is greater)
CO₂ Accuracy (ACD Units):
400 to 1,250 ppm: ±30ppm or 3% of reading, whichever is greater 1,250 to 2,000 ppm: ±5% of reading + 30ppm Certifications: RoHS
Warranty Period:
5 Years



Model	Description	Dimensions	K-con Code
KS-BA/DCD10-D-BB	CO ₂ Duct Mounted Control Sensor 0-10V	127 x 104.4 x 63.5mm Probe 132.7mm	10100367
KS-BA/DCD10-V-BB	CO ₂ Harsh Env Duct Control Sensor 0-10V	127 x 104.3 x 63.5mm Probe 132.7mm	10100368
KSTR12-JI	12VDC Transformer	75 x 47.5 x 26.5 mm	10100487
KSTR24-JI	24VDC Transformer	75 x 47.5 x 26.5 mm	10100488

Let's start a new project together...

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