

AireShield How To Ordering Guide

1

Select Communication Type

A

S

Part number automatically will start with AS-

Choose One:

A

Analog
(4-20mA, 0-20mA)

D

Digital
Modbus RTU

2

Choose Sensor Configurator

Description

Code

1 Integral Sensor

10



1 Remote Sensor

11



1 Integral / 1 Remote

21



2 Remote Sensors

22



Please contact Macurco for replacement parts.

3

Determine Sensor Ordering Code

Gas Type	Range	Code
NA	NA	000
R-22	2,000 PPM	739
R-32	2,000 PPM	740
R-123	3,000 PPM	742
R-134a	2,000 PPM	742
R-143	2,000 PPM	743
R-277	3,000 PPM	741
R-404A	3,000 PPM	741
R-407A	5,000 PPM	745
R-407C	2,000 PPM	744
R-407F	2,000 PPM	745
R-410A	2,000 PPM	745
R-449A	3,000 PPM	744
R-452B	3,000 PPM	742
R-454A	100 % LEL	723
R-454B	2,000 PPM	749
R-454C	100 % LEL	725
R-455A	100 % LEL	726
R-507	2,000 PPM	743
R-513A	2,000 PPM	742
R-1233zd	2,000 PPM	745
R-1234yf	2,000 PPM	744
R-1234ze	2,000 PPM	745

*All sensors listed above are 32mm and do not work in dual integral housing.

**Profile 000 is utilized in Sensor 2 box if only one sensor is needed.

If an integral sensor and remote is ordered the first sensor type is on the transmitter and the second is the remote sensor.

4

Select On Board Buzzer

Choose One:

Description

Code

Buzzer

B

No Buzzer

N

*Buzzer is located on the transmitter only (not the remote sensor).

See below for more gas options.

Please contact
Macurco for more
refrigerant options.

info@macurco.com / (877) 367-7891

Example: AireShield, Analog, 1 Integral Sensor, R-410A 2,000PPM, No Buzzer

A S - A 1 0 - 7 4 5 - 0 0 0 - N

SMART SENSOR DESCRIPTION	SENSOR ORDERING CODE	GAS(ES) DETECTED	RANGE	RESOLUTION	TEMPERATURE RANGE	DEFAULT CAL-GAS & CONCENTRATION	EXPECTED LIFE (YEARS)
R22	739	R22	2000 ppm	5 ppm	-4 to 122°F (-20 to 50°C)	R22, 1000 ppm	10
R32	740	R32	2000 ppm	5 ppm	-4 to 122°F (-20 to 50°C)	R32, 1000 ppm	10
R32	700	R32	10000 ppm	50 ppm	14 to 122°F (-10 to 50°C)	R32, 5000 ppm	10
R32	720	R32	100%LEL	1% LEL	14 to 122°F (-10 to 50°C)	R32, 50% LEL	10
R123	742	R123, R134a, R452B, R513A	3000 ppm	10 ppm	-4 to 122°F (-20 to 50°C)	R134a, 1000 ppm	10
R125	741	R125, R227ea, R404A, R422D	2000 ppm	5 ppm	-4 to 122°F (-20 to 50°C)	R125, 1000 ppm	10
R134a	742	R123, R134a, R452B, R513A	2000 ppm	5 ppm	-4 to 122°F (-20 to 50°C)	R134a, 1000 ppm	10
R134a	701	R134a	5000 ppm	25 ppm	14 to 122°F (-10 to 50°C)	R134a, 3000 ppm	10
R143	743	R143, R417A, R507	2000 ppm	5 ppm	-4 to 122°F (-20 to 50°C)	R507, 1000 ppm	10
R227ea	741	R125, R227ea, R404A, R422D	3000 ppm	10 ppm	-4 to 122°F (-20 to 50°C)	R125, 1000 ppm	10
R404A	741	R125, R227ea, R404A, R422D	3000 ppm	10 ppm	-4 to 122°F (-20 to 50°C)	R125, 1000 ppm	10
R404A	702	R404A	5000 ppm	25 ppm	14 to 122°F (-10 to 50°C)	R404A, 3000 ppm	10
R407A	745	R407A, R407F, R410A, R448A, R1233zd, R1234ze	3000 ppm	10 ppm	-4 to 122°F (-20 to 50°C)	R1234ze, 1000 ppm	10
R407C	744	R407C, R449A, R1234yf	3000 ppm	10 ppm	-4 to 122°F (-20 to 50°C)	R1234yf, 1000 ppm	10
R407C	703	R407C	5000 ppm	25 ppm	14 to 122°F (-10 to 50°C)	R407C, 3000 ppm	10
R407F	745	R407A, R407F, R410A, R448A, R1233zd, R1234ze	3000 ppm	10 ppm	-4 to 122°F (-20 to 50°C)	R1234ze, 1000 ppm	10
R410A	745	R407A, R407F, R410A, R448A, R1233zd, R1234ze	2000 ppm	5 ppm	-4 to 122°F (-20 to 50°C)	R1234ze, 1000 ppm	10
R410A	704	R410A	10000 ppm	50 ppm	14 to 122°F (-10 to 50°C)	R410A, 5000 ppm	10
R417A	743	R143, R417A, R507	3000 ppm	10 ppm	-4 to 122°F (-20 to 50°C)	R507, 1000 ppm	10
R422D	741	R125, R227ea, R404A, R422D	2000 ppm	5 ppm	-4 to 122°F (-20 to 50°C)	R125, 1000 ppm	10
R448A	745	R407A, R407F, R410A, R448A, R1233zd, R1234ze	3000 ppm	10 ppm	-4 to 122°F (-20 to 50°C)	R1234ze, 1000 ppm	10

***SENSOR HOUSING SIZE: 32 MM**

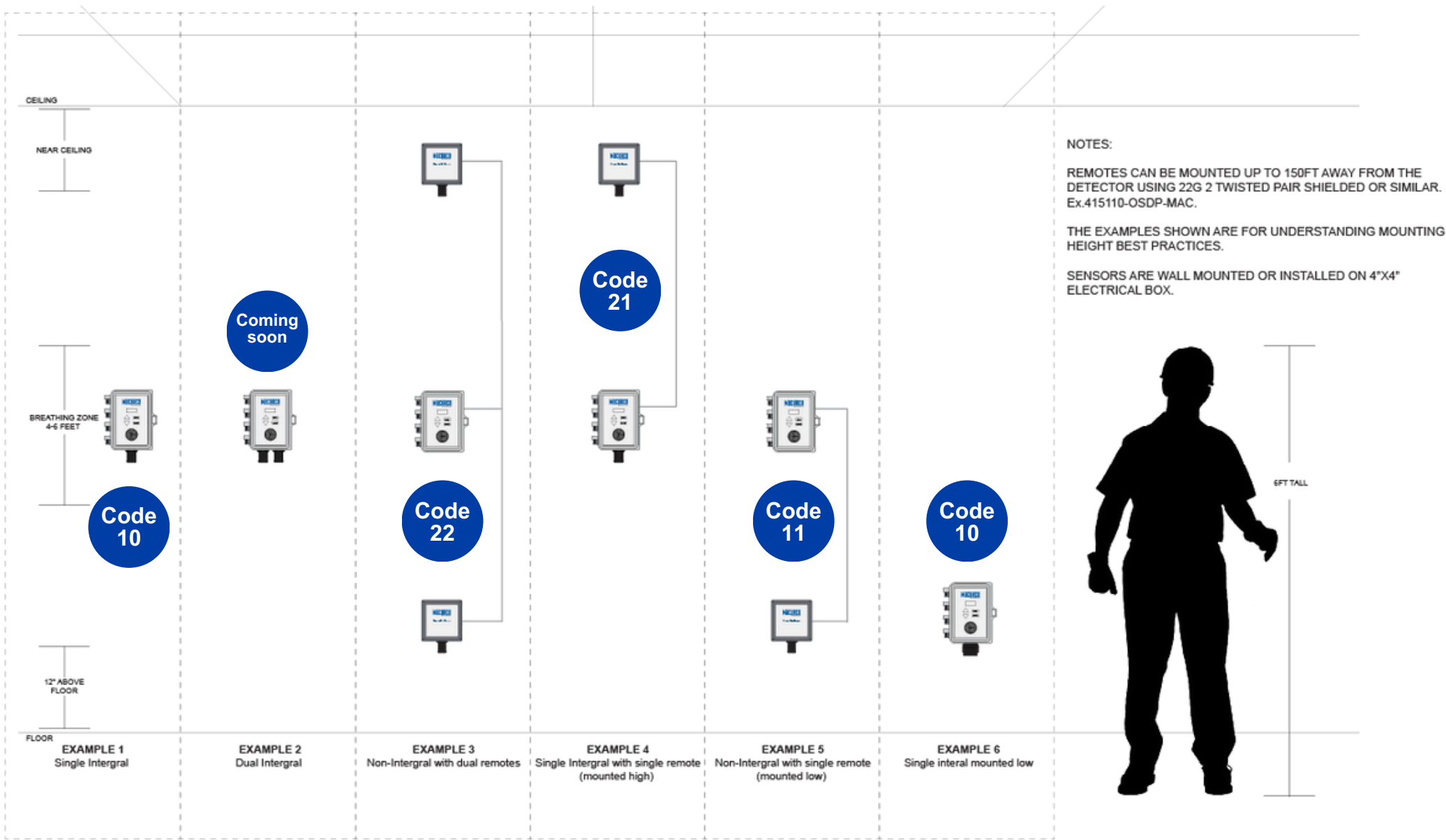
***TECHNOLOGY: NDIR SENSOR**

SMART SENSOR DESCRIPTION	SENSOR ORDERING CODE	GAS(ES) DETECTED	RANGE	RESOLUTION	TEMPERATURE RANGE	DEFAULT CAL-GAS & CONCENTRATION	EXPECTED LIFE (YEARS)
R449A	744	R407C, R449A, R1234yf	3000 ppm	10 ppm	-4 to 122°F (-20 to 50°C)	R1234yf, 1000 ppm	10
R449A	705	R449A	5000 ppm	25 ppm	14 to 122°F (-10 to 50°C)	R449A, 3000 ppm	10
R449A	721	R449A	100% LEL	1% LEL	14 to 122°F (-10 to 50°C)	R449A, 50% LEL	10
R450A	747	R450A	2000 ppm	5 ppm	-4 to 122°F (-20 to 50°C)	R450A, 1000 ppm	10
R452A	748	R452A	2000 ppm	5 ppm	-4 to 122°F (-20 to 50°C)	R452A, 1000 ppm	10
R452B	742	R123, R134a, R452B, R513A	3000 ppm	10 ppm	-4 to 122°F (-20 to 50°C)	R134a, 1000 ppm	10
R452B	722	R452B	100% LEL	1% LEL	14 to 122°F (-10 to 50°C)	R452B, 50% LEL	10
R454A	723	R454A	100% LEL	1% LEL	14 to 122°F (-10 to 50°C)	R454A, 50% LEL	10
R454B	749	R454B	2000 ppm	5 ppm	-4 to 122°F (-20 to 50°C)	R454B, 1000 ppm	10
R454B	724	R454B	100% LEL	1% LEL	14 to 122°F (-10 to 50°C)	R454B, 50% LEL	10
R454C	725	R454C	100% LEL	1% LEL	14 to 122°F (-10 to 50°C)	R454C, 50% LEL	10
R455A	726	R455A	100% LEL	1% LEL	14 to 122°F (-10 to 50°C)	R455A, 50% LEL	10
R507	743	R143, R417A, R507	2000 ppm	5 ppm	-4 to 122°F (-20 to 50°C)	R507, 1000 ppm	10
R513A	742	R123, R134a, R452B, R513A	2000 ppm	5 ppm	-4 to 122°F (-20 to 50°C)	R134a, 1000 ppm	10
R1234yf	744	R407C, R449A, R1234yf	2000 ppm	5 ppm	-4 to 122°F (-20 to 50°C)	R1234yf, 1000 ppm	10
R1234yf	706	R1234yf	5000 ppm	25 ppm	14 to 122°F (-10 to 50°C)	R1234yf, 3000 ppm	10
R1234yf	727	R1234yf	100% LEL	1% LEL	14 to 122°F (-10 to 50°C)	R1234yf, 50% LEL	10
R1233zd	745	R407A, R407F, R410A, R448A, R1233zd, R1234ze	3000 ppm	10 ppm	-4 to 122°F (-20 to 50°C)	R1234ze, 1000 ppm	10
R1234ze	745	R407A, R407F, R410A, R448A, R1233zd, R1234ze	2000 ppm	5 ppm	-4 to 122°F (-20 to 50°C)	R1234ze, 1000 ppm	10
R1234ze	707	R1234ze	5000 ppm	25 ppm	14 to 122°F (-10 to 50°C)	R1234ze, 3000 ppm	10
R1234ze	728	R1234ze	100% LEL	1% LEL	14 to 122°F (-10 to 50°C)	R1234ze, 50% LEL	10
SF6	746	SF6	2000 ppm	5 ppm	-4 to 122°F (-20 to 50°C)	SF6, 1000 ppm	10

***SENSOR HOUSING SIZE: 32 MM**

***TECHNOLOGY: NDIR SENSOR**

AireShield Mounting Examples



*Please contact sales for more questions regarding the Macurco AireShield.

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