

K200R Amplified Wireless Repeater



KELSIUS

The **Amplified Repeater** ensures that network integrity is maintained for larger wireless networks, and when sensors are located distant from the Network Controller.

This device is designed to be mounted close to a non-amplified device to increase its RF range in environments where connectivity may be an issue.

Applications – suitable for all applications across food and life sciences including:

- ✓ Large warehouses
- ✓ Basements
- ✓ External storage units

Internal rechargeable batteries maintain connectivity in the event of power failure for up to two days.

Power failure events are reported to the Network Controller as a maintenance alert to prevent network connectivity being affected.

Up to five Repeaters can be used in any single channel wireless network and up to 15 Repeaters can be used in a frequency-hopping network.



Radio Transmission

Specification			
Product Code:	K200R	Size (with bracket):	Width 84.6 mm Height 126.1 mm Depth 18.7 mm
Operating Conditions:	-30°C +55°C (-22°F +131°F)		
Radio Freq. Band:	915MHz (USA); 868MHz (Europe).	Size (without bracket):	Width 62.35 mm Height 126.1 mm Depth 17.5 mm
Line of sight range:	Up to 300m		
Reprogrammability:	Fully Reprogrammable over RF	IP rating:	64
Battery:	Li-Ion Polymer 3.7V 1500 mAh	Enclosure:	Polycarbonate
Battery Operation:	Repeats for 50 hours during power failure.	Weight:	105g
Power supply:	5V 2A USB-C mains adapter		