

WIRELESS FIRE DETECTION



Radio Network Communicator (RNC)

The FireCell RNC enables wireless network capability across sites without the extensive expenditure and protracted timescales normally associated with civil works.

The RNC provides complete visibility of each device, from any panel, with comprehensive site-wide cause and effect programming and functionality.

Fact One

Allows wireless network connectivity of up to eight FireCell control panels and with fast and easy setup it provides seamless network connectivity without cables. Each panel can be interrogated independently as there is no need for a master node or controller.

Fact Two

Up to 4,032 wireless field devices are supported. These can be in any combination depending on the application and specific requirements of the site. Loop loading power calculations normally associated with wired systems are not applicable as each device has its own power supply.

Fact Three

Bi-directional multipath signalling ensuring robustness and speed of data transfer across the entire network – Faster than traditionally wired systems and networks.

Fact Four

Wireless systems and networks are easily expandable across larger estates using external antenna options to boost signal propagation.

Fact Five

The EMS RNC utilises licence free 458MHz band with a typical range in excess of 500m peer to peer.

To instigate a FireCell network you will require a single RNC per panel as well as a network Interface Card which is installed inside each CIE. Using wireless to transmit information across large sites and estates dramatically reduces costs and time and typically networks can be up and running in days rather than weeks.

FireCell Networks

FCX-438-001: RNC

FC-K55: Network interface card for wireless networks

For further details please request data sheet