

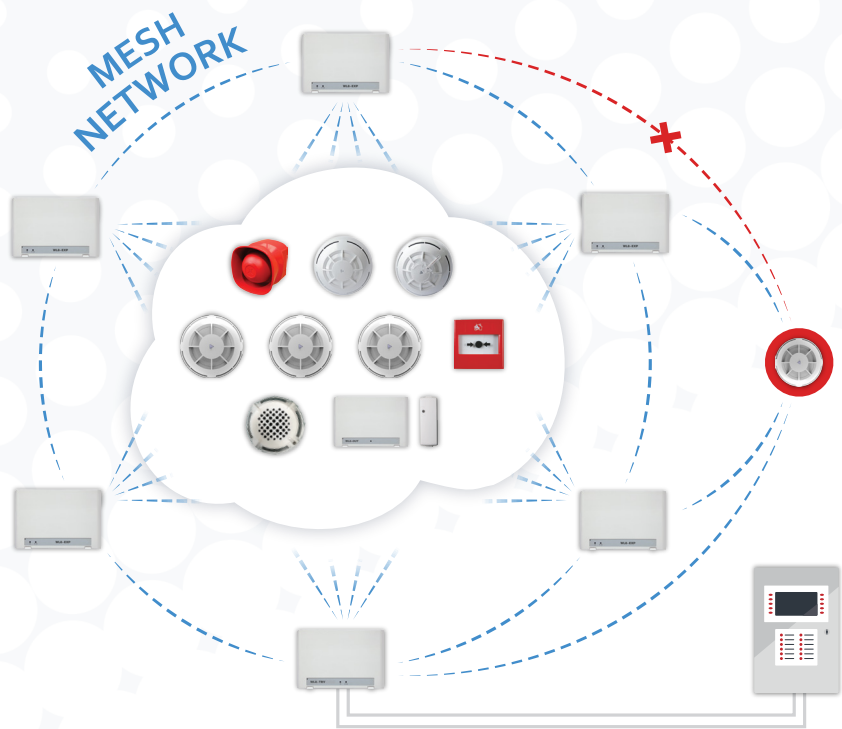


# Wireless Fire Detection

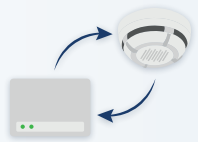
# How It Works

The translator module connects to the loop of a fire control panel, receives signals from wireless devices, and translates them to the panel via the Enhanced Systems Protocol. In order to expand the range of the network, expander modules are placed throughout the building. Signals from wireless devices can be received by the expanders, then travel through multiple expanders, eventually reaching the translator module.

The communication protocol is designed in such a way that up to 2000 wireless devices can work in the same building. This means that you can install any number of translators and not have to worry if they are going to interfere with each other.

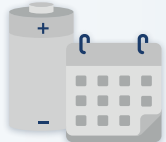


# Features



**Communication range**  
1 200 m

Communication range of 1200 m. between an expander and a device. Between two expanders the distance can reach 2 km.



**Battery life**  
10 years

In normal conditions, the detectors can work for up to 10 years on one set of batteries.



**Activation delay**  
3 seconds

Sounders and other alarm devices activate almost immediately when a fire detector is triggered.

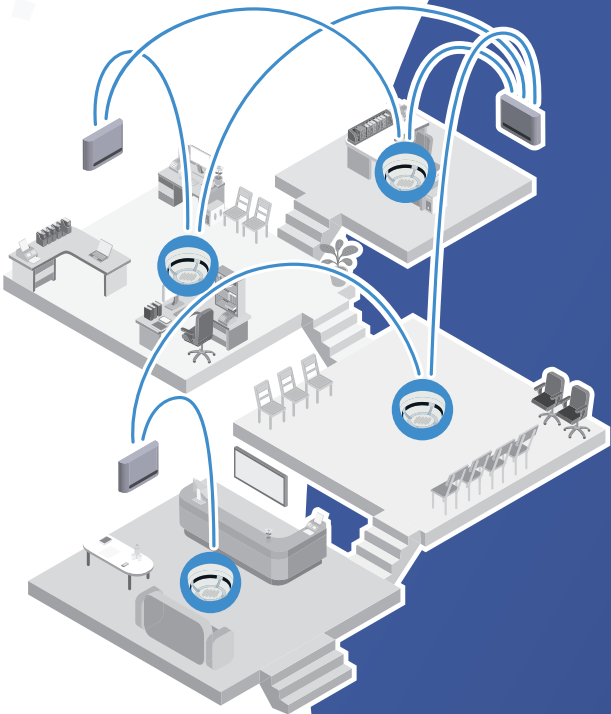


**Network capacity**  
126 devices

126 devices or expanders in one network. Multiple networks can work in the same building

# Mesh Network

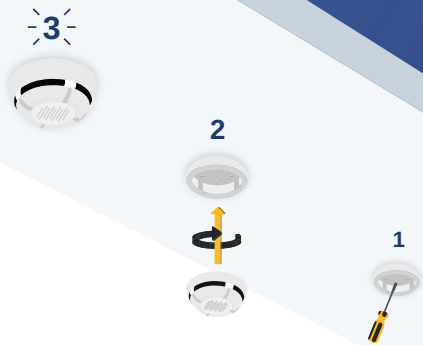
The wireless system uses the mesh network technology, which means that you don't have to manually specify the network topology. You only need to position the expanders throughout the building based on their connection radius, and the network will automatically arrange itself in the most optimal way. This significantly speeds up the installation procedures



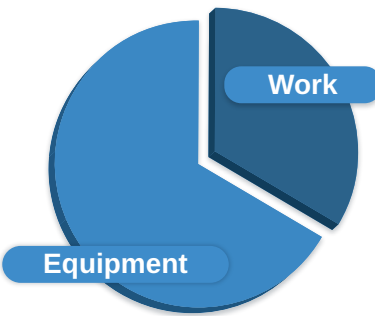
# Simpler and Faster

Wireless sensors are very easy to install – all you have to do is to screw them to the ceiling. They do not require any special tools – a power drill and a screwdriver is enough to do the job. They also do not require skilled labour – even a beginner can handle a wireless detector.

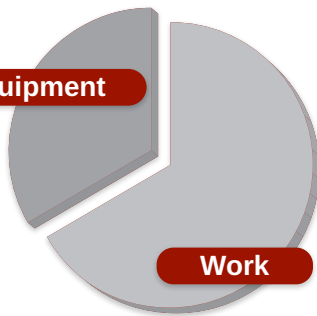
3 minutes is enough to install a wireless detector, and a couple of days is enough to complete the whole project. The system can even be pre-programmed before installation, which further minimizes the time spent on site.



**Wireless**



**Wired**



The biggest gripe people have with wireless alarms is that the equipment is quite a bit more expensive than wired solutions. However, when you factor in the construction materials and labour expenses, both wireless and wired projects are almost always equivalent in price.

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# Approvals

All of our products are designed to meet and often exceed the rigorous requirements of the European EN54 standards. The devices are fully tested and certified by BRE global with the LPCB mark.

In addition to the European requirements, the system was also tested and approved by the Dubai Civil Defence, and SAI Global. The wireless equipment from ASI has all of the necessary certificates to be distributed and installed in 80 different countries across several continents.



## About ASI Oy Ltd

ASI Oy Ltd. is a fully autonomous and independent manufacturing company based in Savonlinna, Finland, specialising in the development and production of innovative wireless fire detection products. The company was founded in 2019 with the primary mission for the protection of Life and Property.

We produce a wide range of wireless products for the commercial and industrial market sectors, including solutions for the safety of disabled people. Our products and technology have a proven record of performance, quality, and reliability with thousands of systems installed worldwide.



Founded in 2019



Located in Savonlinna, Finland



1000 m<sup>2</sup> facility



ISO 9001:2015 certified