



GIVE
Systems

Since 1986

WATER DETECTION SYSTEM CP-1111

MULTIZONE SUPERVISION

MESH NETWORK

BASIC CONFIGURATION

Scope of this guide

This guide will help you to better understand the configuration of a network and the physical and logical arrangement of the wireless components that form this network. Also, it will allow to figure out different ways or designs that could be used as guides for the selection of components that will best suit with the configuration of the building to protect.

Modular design choices

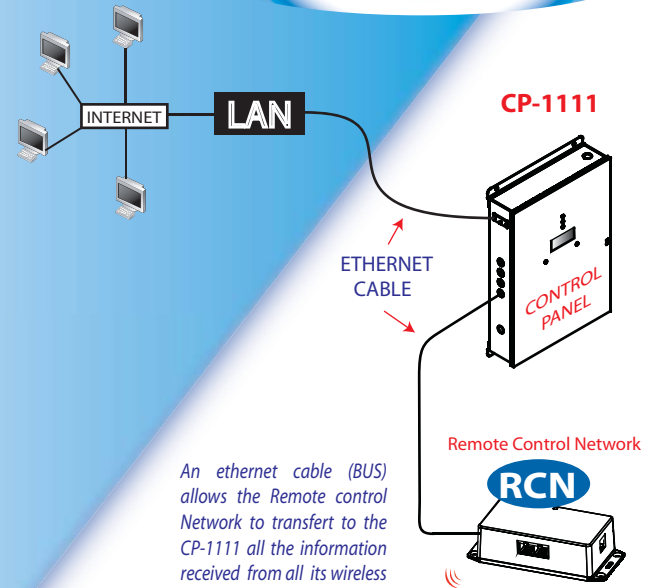
The **CP-1111** detection system is a versatile modular design with interchangeable components (wireless and/or hardwired) that can be configured many different ways according a specific configuration of a building. The installation and configuration of each module is so easy and simple that all modifications or additions in the future can be executed by no-specialized installers.

Wireless Components of a mesh network

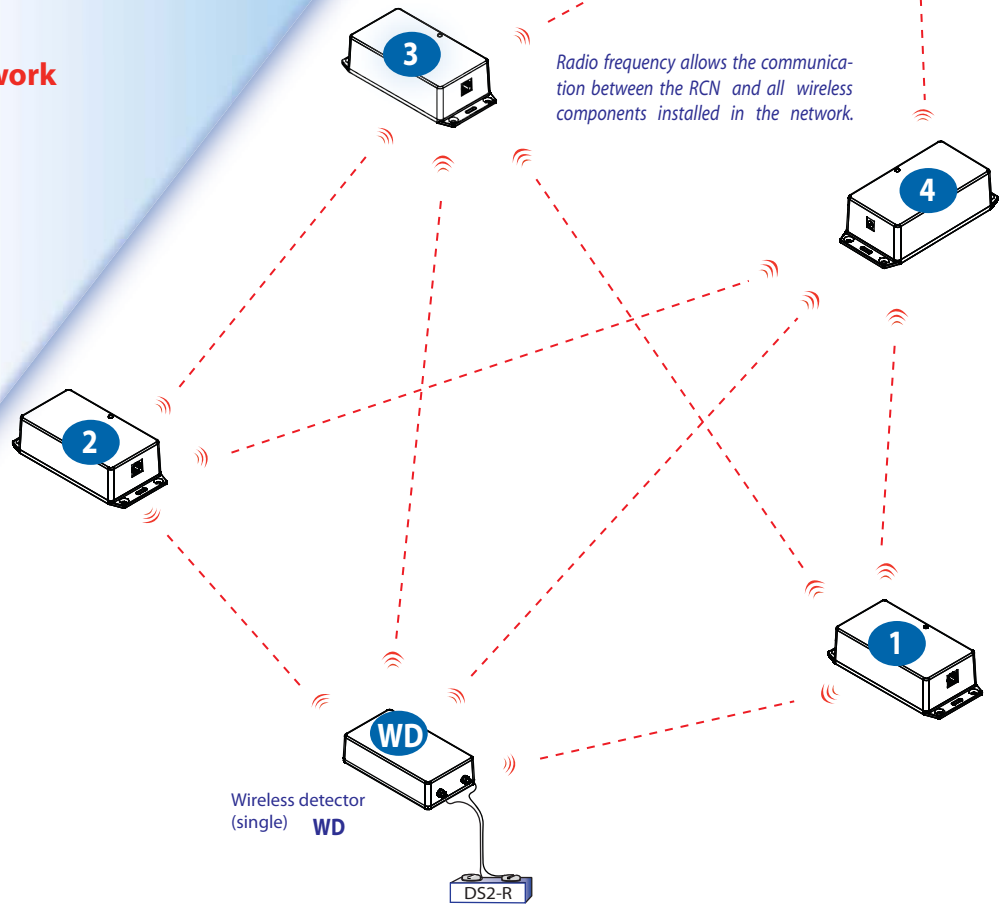
In a mesh network topology, each module acts as a repeater, receiving and sending every message to all other modules on the network. So, instead of stressing the network by adding more wireless components, you actually strengthen it.

Principles of a mesh network

A mesh network design offers many alternatives for data to travel thanks to the participation of every module for relaying signal transmission to its final destination. As showed below, the alarm information sent by the WD module can use 5 different ways to reach the control panel via the **RCN**.



An ethernet cable (BUS) allows the Remote control Network to transfer to the CP-1111 all the information received from all its wireless associated components.



Radio frequency allows the communication between the RCN and all wireless components installed in the network.

