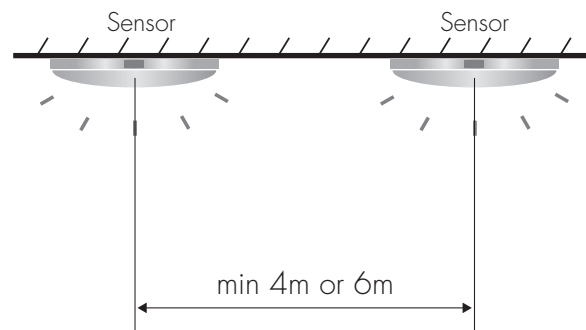


## RF Sensors – Precautions for Product Installation and Operation

This is a combination of motion sensor and RF radio wave wireless transmission, meaning that the motion detected by one sensor (master unit) can pass on to other pre-defined sensor units (slave unit) through RF signal transmission.

1. When using motion sensor with RF transmission, please pay attention that the RF signal could be affected by metal and wireless devices such as GSM mobile antenna, strong Wi-Fi signal, ultra-high-voltage cables which emit frequent electromagnetic wave radiation, which in turn interferes with the RF transmission and communication. Hence, it is highly recommended to conduct a field test and check the application environment before mass installation.

2. When installing luminaires with RF microwave motion sensor fitted, avoid installing two neighbouring luminaires too close to each other as microwave and RF can affect each other, resulting in false triggering, failed RF signal transmission and reception, and sensors failing to switch off properly. Thus, we recommend the mounting distance between RF microwave motion sensors to be at least 4m to 6m.



4m for Low Bay: HCO28V/RF, HCO18V/RF, HCO23RF, HCO24RF, SAM8, SAM11

6m for High Bay: HMW38/RF, HMW39/RF, HIM38/RF, HIM39/RF

3. When installing large number of RF motion sensors in a complex environment with metals, wireless device such as Wi-Fi router and other types of obstacles such as concrete walls (e.g. in a large warehouse with over hundreds of luminaires installed), it is highly recommended to install more slave units to improve RF signal transmission efficiency for better user experience.