

# KNX Outdoor Doppler Sensor

HDL-M/WS05.1-A



Designed for the outdoors, the HDL- M/WS05.1-A, can precisely detect temperature, light intensity, humidity, motion, and dry contact status.

With the ability to operate in temperatures ranging from -20 to +55 centigrade, and the potential for hundreds of output targets, the HDL M/WS05.1-A is the ultimate in building protection technology.



# Doppler Motion Sensor

To detect motion a variety of techniques can be used, but the Doppler method is by far the most efficient and effective.

**The Doppler sensor used in the HDL-M/WS05.1-A is able to:**

- Sense or 'look through' any non-metal object or barrier
- Function in dusty and sandy environments
- Be fully adjusted with custom detection levels

In addition to the above benefits the Doppler sensor has an expected service life of more than 100,000 hours.



# Tough

With a casing made from Acrylonitrile Styrene Acrylate, the HDL Doppler Sensor has immense toughness, is chemically resilient, has excellent thermal stability, and an outstanding resistance to weathering.

This guarantees a long service life, and ensures that the M/WS05.1-A, can stand up to even the harshest of conditions.





# Multifunctional

Temperature, luminosity, humidity, and motion can be detected precisely.

This allows the module to monitor essential weather conditions, and warn a building owner of potential intruders.

Standard motion sensors are often triggered by pets, generating multiple false alarms.

To stop this from happening the M/WS05.1-A enables a user to set a custom sensitivity level, making these false alarms a thing of the past.

The M/WS05.1-A Doppler sensor brings you the ultimate in versatility and reliability, empowering building owners to truly secure their property.



- Temperature detection range:  $-30^{\circ}\text{C}\sim 70^{\circ}\text{C}$
- Illumination detection range:  $0\sim 15000\text{LUX}$
- Humidity detection range:  $20\sim 95\%\text{RH}$

# Logic control

Ultimate versatility is given through multi-logic inputs. This allows the M/WS05.1-A to be incorporated into multiple scenes.

If the module detects movement, security lights can be turned on, shutters closed, and sirens triggered.

The only limit to the scenes that can be created is your imagination!





# Extensive range

A building's security is something that cannot afford to be overlooked, that's why the M/WS05.1-A can detect a presence at up to 20 meters.

This ground breaking range enables potential intruders to be detected long before they even get close to a building.

Having a greater range than ultrasonic sensors, and being more sensitive than PIR sensors, the HDL KNX Doppler sensor is truly the ultimate in presence sensing technology.

