

WX-2020 WEATHER STATION



The Infinity 2020 perimeter intrusion detection system utilizes a WX-2020 weather station. This fully integrated monitoring sub-system detects environmental changes resulting from wind and precipitation and supplies the necessary data to the system processor. Based on this continuously updated flow of information, the processor adjusts sensor operating parameters to eliminate the generation of environmentally induced false alarms. Consequently, weather induced false alarms

are all but eliminated as the system automatically compensates for environmental disturbances. An anemometer indicates wind speed while the precipitation monitor detects rainfall intensity using its optical sensors, both on a real-time basis.

SPECIFICATIONS:

Detection: Detects precipitation intensity. Anemometer detect wind speed status.

Sensitivity Control: Wind and precipitation compensation software adjustable by zone at central computer with password protection – no field adjusting required.

Lightning Protection: Semiconductor surge suppressors

Output Points: 4 wire interface – PWR, GND, 4-20 mA

Operating Voltage: 24 VDC

Operating Current: 300 mA nominal, 1A heating

Operating Temp: -30 to 60 degrees Celsius. Precipitation sensor has built-in heater.

Maximum Cable Length: 100 feet using 22 AWG, shielded wire

Number of Devices: More than one weather station can be used per site, although that is not required. Each Vision Board can support a separate weather station.

Controls: Dip switch selectable, wind and rain compensation enabled.

Connections: Compression type terminal connectors to Vision Board.

Installation: Mast, wall or fence mounting options available.



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