



# Watts Connected Roof System



# Are You Inspecting Your Roof Drains?

***With wireless monitoring, keep an eye on your flat roof with Watts smart and connected technology and get instant notifications if your roof drains are clogged***

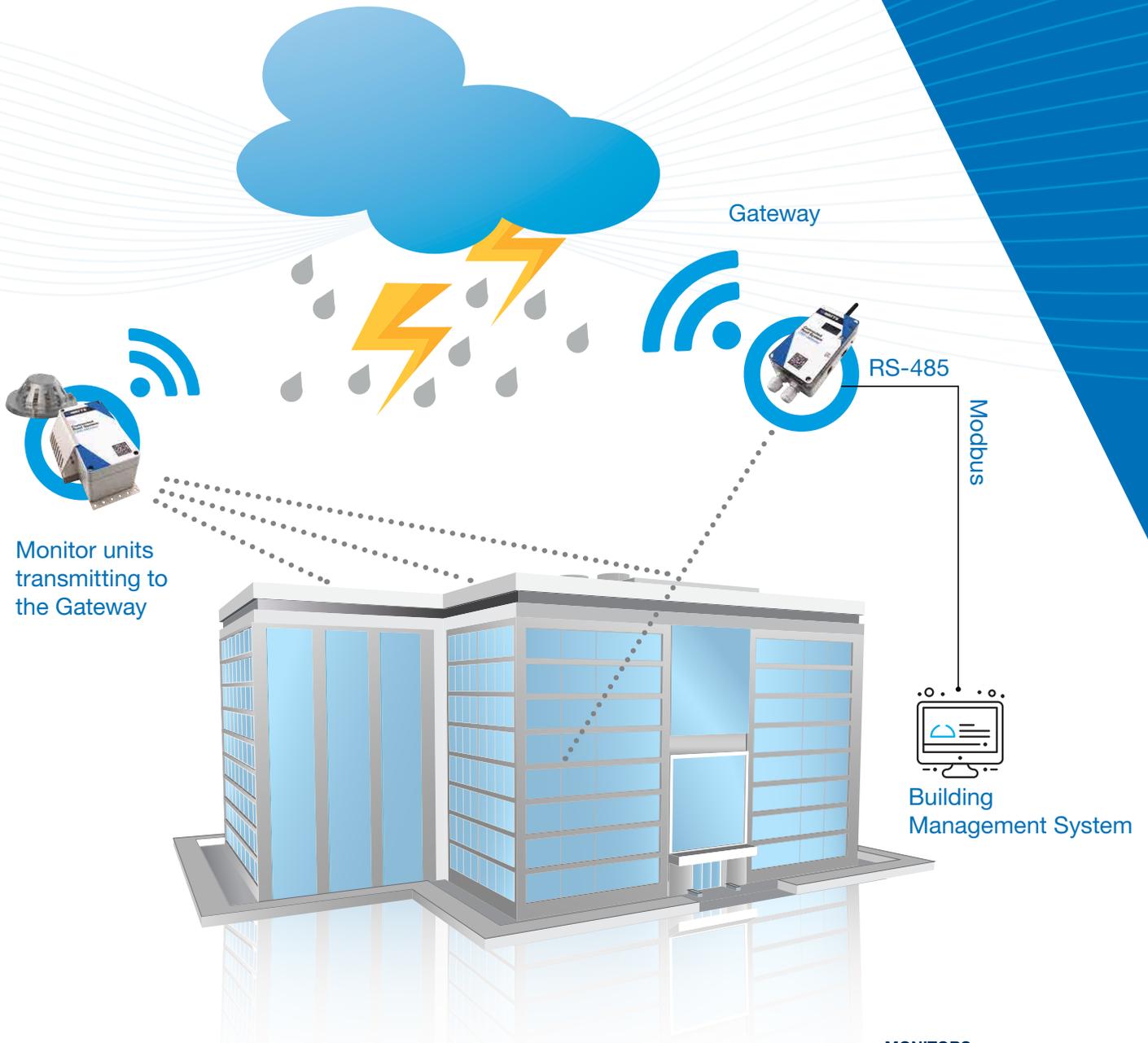
You can have serious problems if standing water penetrates your flat roof and enters your production area, warehouse, or data center. With Watts Connected Roof System, you can have peace of mind that your roof is monitored 24 hours a day and that you'll be alerted if your roof drains clog. Roof drains can be blocked by almost anything—accumulated leaves, dirt, or building materials. Experience shows that people rarely enter large flat rooftops because they have no access to them, or they have safety concerns. As a result, the water level on the roof can rise and cause severe damage before long.

Watts Connected Roof System consists of Gateway and Monitor units. Mount the monitor next to any roof drain to collect water level and temperature data. The monitor sends wireless signals to the Gateway which functions as a controller. One Gateway can receive data from up to 16 monitors. Without proper drainage, rainwater collects in confined spaces on the rooftop.

When this happens, the Gateway issues a warning for screen display and communicates with your Building Management System (BMS) to generate SMS or email alerts.

- Safeguard your entire operation with a small investment
- Wireless monitoring with quick installation
- Easy and speedy access to information
- Reduce maintenance and labor costs
- 915 MHz wireless range of 1500 meters
- Water level and temperature measurements
- Relay output for alarming and process control
- Up to 10 years of battery lifetime
- Modbus connection to Building Management System





Monitor units transmitting to the Gateway

Gateway

RS-485

Modbus

Building Management System

### Active Roof Top Surveillance

The Connected Roof System generates warnings before clogged drains on the roof can cause severe water damage, ruin stocked inventory, and ultimately halt production. The monitors are placed near the main drains on the roof. They measure water level and temperature. The data is wirelessly transmitted to the Gateway placed inside the building. The Gateway compares the water level between the drains on the roof. If the level becomes critical at any of the drains, the Gateway will issue an alarm.

Alarms are communicated in two ways: 1. Through a display on the Gateway and can be noted if an audible alarm is connected to the Gateway's relay. 2. If the Gateway is connected to the Building Management System (BMS), email alerts can be generated by the BMS.





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