




Designed specifically for multifamily housing
Quiet, efficient and easy to install

OUR STORY

Southern Pines, North Carolina, 2011



When Brian Smith and Tom Honeycutt set out to solve the mystery of why some apartments were experiencing mold issues while others were not, they had no idea that journey would ultimately take them down a path that would include the design of an award-winning solution and the creation of a new company. But that's exactly what happened.



Brian, owner of WB Properties & Construction of North Carolina and Back-To-Normal Restoration Company along with Tom, a long-time developer and property owner searched extensively for a permanent solution that was affordable, efficient and could be easily installed.

They realized early on that in order to be effective, a dehumidifier must operate quietly and inconspicuously to control moisture inside apartments without relying on tenant cooperation to run the unit or empty drain reservoirs. It was quickly determined that portable units were not effective and whole-home units were too expensive or inefficient and could be turned off by tenants via wall-mounted humidistats.

THE UNIT



Since they couldn't buy it, they built it. Of the more unique characteristics of the IW-25 In-Wall Dehumidifier are the occupant "lock-out" features. The humidistat is concealed behind a tamper-proof grille secured with special screws which prevent tenants from turning the unit off.

The prototype was placed into service in June of 2011 in an apartment in Southern Pines, North Carolina. Prior to the installation of the unit, relative humidity (RH) inside the dwelling ranged between 76-90%. Installation of the IW-25 had an immediate impact reducing RH levels to between 41-50%, well below the 60% threshold widely recognized as a danger zone for mold growth.

After nearly two years of extensive testing and research, Innovative Dehumidifier Systems was launched with the mission of helping property owners and managers resolve indoor air quality issues. With the multi-family housing industry as its primary focus, the company has helped countless multi-family developers, property owners and managers prevent mold and resolve tenant complaints across the county.

As a result, the IW-25-1 was honored with the prestigious People's Choice Award for the best new product during the 2014 American Institute of Architecture National Convention and Design Exposition.

Since the IW-25 was designed specifically for multifamily housing it has several unique features making it the hands down best choice for apartments and condominiums.

- Tamper-proof occupant "lock-out" features
- Quiet sound levels of 47 dbA or less; similar to a dormitory refrigerator
- Efficient operation with a rated average power consumption of 370 watts
- Automatic re-start in the event of power interruption
- Ability to hard-wire or use standard 120v plug
- Drains directly into hub drain or ties into existing plumbing



INSTALLATION

Installation of an IW-25 can typically be accomplished in less than an hour by apartment maintenance personnel following the simple 4-step process shown below:



- 01 Select the location for installation; typically adjacent to the mechanical closet.
- 02 Locate the studs and cut a rough-opening 14.5" x 25.5" in the wall.
- 03 Place the IW-25 into the opening, connect power and drain line.
- 04 Set humidistat and attach cover.

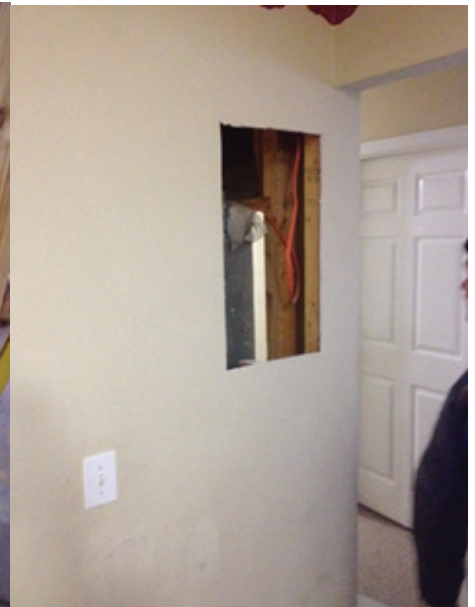
WHAT IS SUPPLEMENTAL DEHUMIDIFICATION



Increasing energy codes, tighter construction and fresh-air ventilation in high-humidity climates are driving the need for supplemental dehumidification. Combined with tenant-driven internal moisture generation, these factors often combine together to create a perfect storm resulting in mold.

Because air-conditioners operate based on sensible temperature rather than latent (moisture) load they typically do not run long enough to adequately dehumidify. This is especially the case in new construction and high-performance building design.

Designed with flexibility and ease of installation in mind, the IW-25 is ideal for both new construction and retrofit applications. The unit has quickly gained in popularity among multi-family developers, designers and property managers across the country as the best case solution to resolve excessive moisture in apartments as well as proactively prevent future issues post-construction.



DIAGNOSTIC TOOLS & TECHNOLOGY



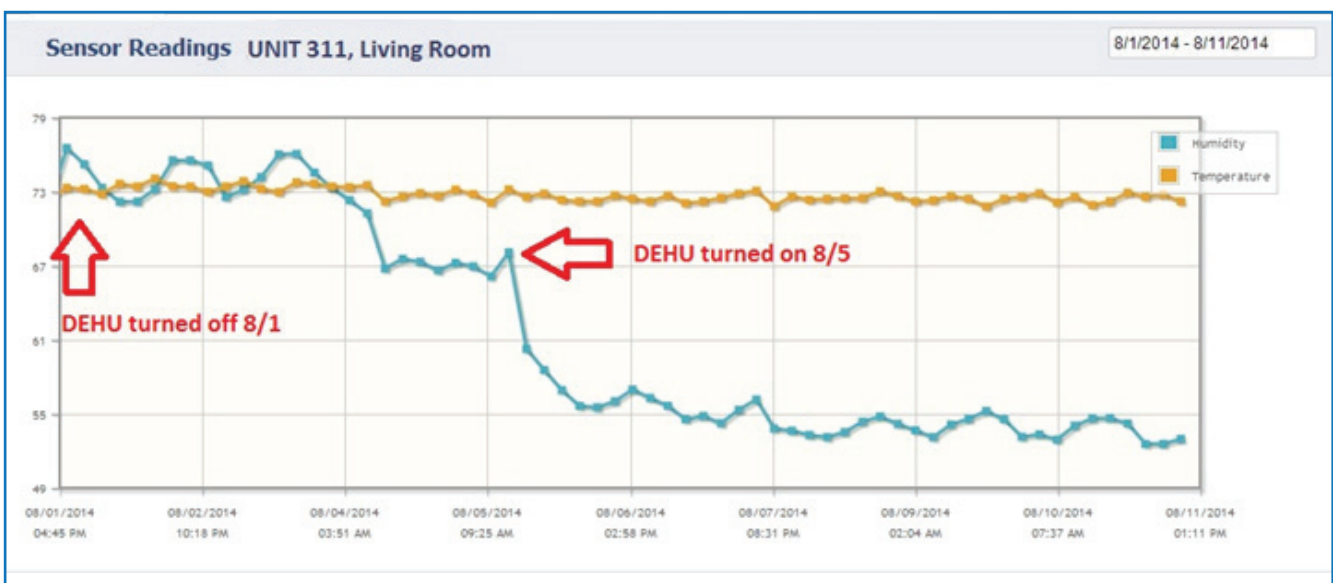
In order to serve as a valuable resource for multifamily owners, developers, designers and property managers we've made an investment in technology to measure and record temperature and humidity for our clients.

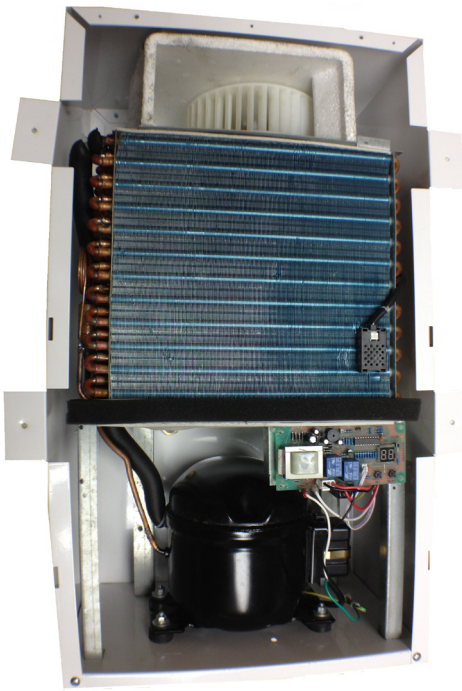
By placing iMonnit data loggers inside apartments we can collect and analyze the data required to help you arrive at the best possible solution. Beyond that, our data loggers will confirm appropriate humidity levels throughout your property giving you peace of mind.

[CONTACT US TODAY](#)

to learn how we can become a valued partner for your organization as you navigate through the nuances of contemporary building science and the need for moisture control management to protect your people, properties and investments. We would be happy to work with you in a diagnostic capacity to develop a customized solution for your property.

The graph below shows how quickly the IW-25 impacted a South Florida luxury apartment unit once installed and operational. Relative Humidity inside this unit fluctuated between 68% and 77% making it an ideal breeding ground for mold. Frustrated by the expense and inconvenience of remediation, the management company contacted Innovative Dehumidifier Systems. Installation of the in-wall dehumidifier resulted in a safe, appropriate relative humidity range within hours of installation.





HERE ARE A FEW COMMENTS FROM RELIEVED CLIENTS

We have purchased and installed about 11 of the IW25-1 permanent dehumidifiers, and they are performing very well. They have remedied our ongoing problem with high RH in certain apartments, and are the perfect solution.

The fact that we can install them, set, and forget them is the true beauty of the product! Previously we had tried to manage the problem by supplying portable dehumidifiers, but always had trouble. Even with the best of intentions, the resident fails to empty the bucket, or turns the portable off because of noise, or some other reason.

But the resident quickly forgets the permanent dehumidifier is even there. It is quieter, out of the way, and requires no effort or attention from the resident.

It's been a great solution for us!

Matt Clark

Property Manager

The River House

The unit solved our humidity issues and we will be ordering more in the future. As humidity issues that arise in our units that cannot be controlled, we will be installing your units.

Regards,

Dave Weber

State Property Management LLC

The install went very well. Just a small drywall repair due to location error, but your product seems to be working perfectly.

Thanks again for your help!

Tom Gaherty, Director of Construction

Connelly Builders Inc



Direct: (910) 579-3348



Fax: (910) 579-4412



6260 Ocean Highway W
Ocean Isle Beach, NC 28469



info@innovatedehu.com

www.innovatedehu.com