

Humidity sensor and fan control

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:

Description

Single pole
15A, 120V/AC, 60 Hz

Design features

- Turn fan ON/OFF automatically based on preset humidity level
- Manual ON / automatic OFF for fan
- Includes 3 humidity settings adjustment. High, Medium and Low.
- Time delay for fan is 30 minutes
- Can be manually controlled for immediate ventilation needs
- Replaces single pole switch
- Great for bathrooms, basements, laundry rooms, and home spas



HDFS3P1

Table 1. Humidity sensor and fan control

Catalog no.	Description	Amps	V/AC	Color suffix
<input type="checkbox"/> HDFS3P1_	Humidity sensor and fan control	15	120	W

Compliances, specifications and availability are subject to change without notice.



Powering Business Worldwide

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:

Applications

Eaton's humidity sensor and fan control (HDFS3P1) device is a single pole humidity sensor for controlling the humidity level in a room. This sensor controls the humidity level by detecting excess humidity in damp areas, such as bathrooms or spas, then activating the ventilation fan when humidity is present and turning the fan off when the humidity level has dropped. This device helps prevent mold and mildew by detecting and removing moisture in the air, which in turn provides for a more comfortable and welcoming environment.

Table 2. Specifications

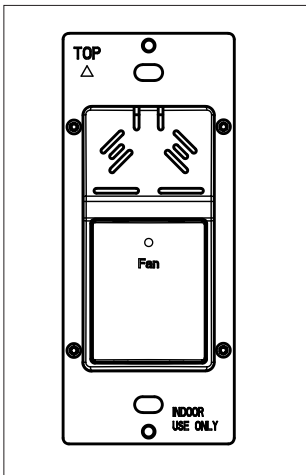
Catalog No.	HDFS3P1
Performance	Rating: 15A, 120V/AC, 60 Hz
Installation	Please reference the instruction sheet included with the product for wiring installation.
Testing & Code Compliance	UL/cUL Listed, US patent pending
Material Characteristics	Maximum fan load: 1/4 HP, 3 Amp Time Delay: 30 Minutes Humidity range: 45% - 80% RH
Warranty	2-year limited product warranty

Table 3. Available colors

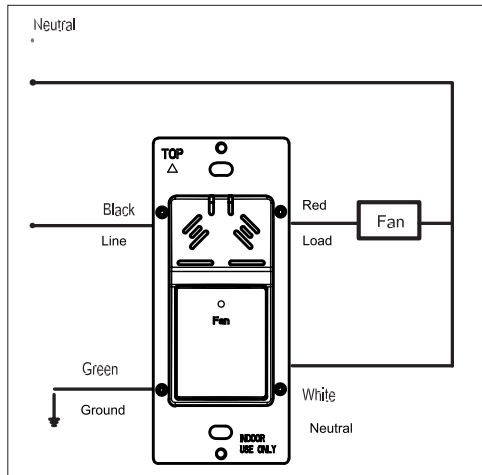


(White)

Product Image



Wiring Diagram



Certifications & Compliances

Catalog No. HDFS3P1

KEY: cULus

Figure 1. HDFS3P1

Electrical Sector
203 Cooper Circle
Peachtree City, GA 30269
United States
Eaton.com
Eaton.com/wiringdevices

Electrical Sector
Canada Operations
5925 McLaughlin Road
Mississauga, Ontario, L5R 1B8
Canada
EatonCanada.ca
Eaton.com/wiringdevices

Electrical Sector
Mexico Operations
Carr. Tlalnepantla -
Cauatitlan Km 178 s/n
Col. Villa Jardin esq.
Cerrada 8 de Mayo
Cauatitlan, Mexico CP 54800
Mexico
Eaton.mx
Eaton.com/wiringdevices

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

© 2020 Eaton
All Rights Reserved
Printed in USA
Publication No. TD610119EN
September 2020

Eaton is a registered trademark.

All other trademarks are property
of their respective owners.

