FUME HOOD MONITOR SUBMITTAL

The FHM used in conjunction with the AccuValve® Model AVC provides a comprehensive Fume Hood Control System. The FHM is provided with 2 mounting screws for securing to a standard single-gang electrical box and a prefabricated factory cable for connecting to the AccuValve® AVC Control Module.

FHM☐- ☐☐☐

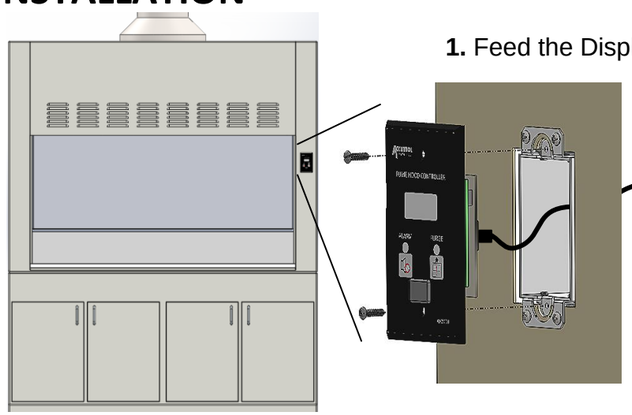
MODEL	CABLE LENGTH
1 – Standard	25' Cable = **025**
2 – Companion	50' Cable = **050**
	75' Cable = **075**
	100' Cable = **100**

NOTE: *If a longer cable is required, please contact factory.*

SPECIFICATIONS

Electrical:
The FHM is powered by the AVC using a factory provided cable.
Temperature Range:
Operating: -4°F to +158°F (-20°C to +70°C)
Storage: -22°F to 176°F (-30°C to +80°C)
Physical Construction:
Metal Plate with Continuous Vinyl Overlay which Provides Protection from Splashes
Mounting:
Installs directly into a standard single-gang electrical box, usually provided on the fume hood
Configuration Port:
Easily accessible USB Type C protected by removable rubber plug.

INSTALLATION



Plug Other End Into the AVC Control Module

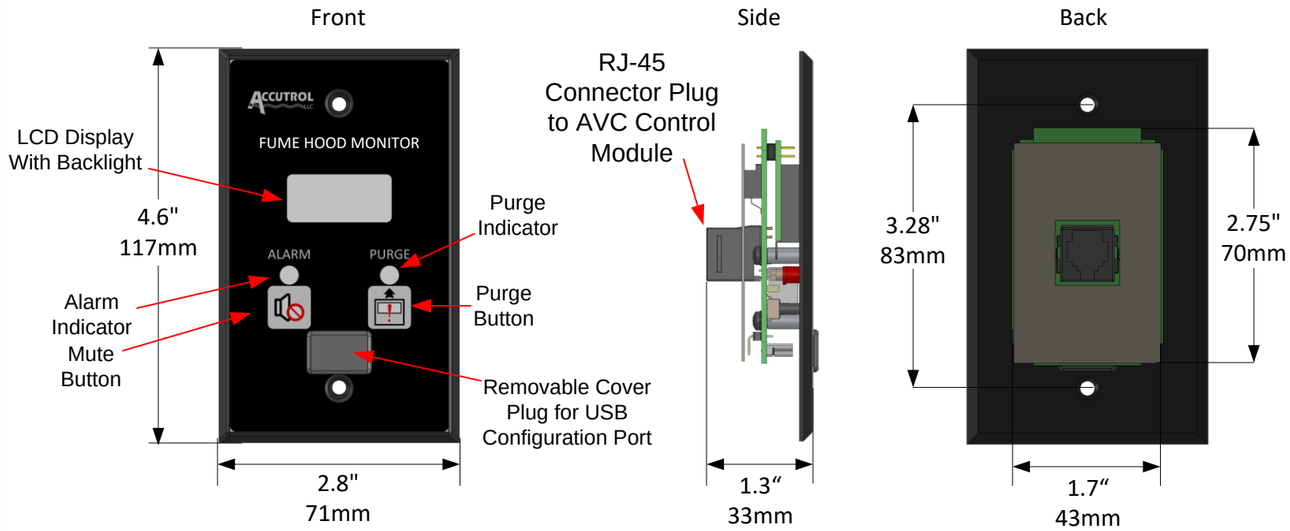
1. Feed the Display Cable into the back of the electrical box.

2. Plug the Display Cable into the RJ-45 Connector located on the back of the FHM.

3. Plug the other end of the Cable into the AccuValve AVC Control Module.

4. Secure the FHM to the electrical box using the two screws provided.

DIMENSIONS & FEATURES: FHM1



Display
Character Liquid Crystal Display, 2 Lines x 8 Characters with White LED Backlight
Indicates Face Velocity or Airflow Volume on Line 1
Provides Alarm and Setback Messages on Line 2
Alarm
Visual Alarm Indicator: LED, Super Bright Red 655nm
Display Alarm Indicator: Provides Message Identifying Alarm Type
Audible Alarm Indicator: Horn, 90dB @ 4KHz
Mute Pushbutton Provided for Silencing Horn
Purge
Pushbutton Provided to Activate and Deactivate Local Purge
Visual Indicator: LED, Super Bright Red 655nm
Configuration Port
USB Type C Protected by Removable Rubber Plug
Connect to PC with the AccuValve Insight Software
All Configuration Settings for the FHM are Programmed through the AccuValve Insight Software

ACCUTROL LLC
21 Commerce Dr
Danbury, CT 06810
Tel: 203-445-9991
accutrolllc.com

Accutrol Representative:

SUBMITTAL DRAWING
FHM

THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE.

THIS DOCUMENT OR THE CONTENTS THEREOF SHALL NOT BE MODIFIED WITHOUT PRIOR WRITTEN PERMISSION BY ACCUTROL LLC.

DWG. NO:	FHM SUBMITTAL DWG		
REVISION:	A	ECN:	2400
REV. DATE:	9-28-18	SHEET: 1	OF: 3

MODEL FHM2

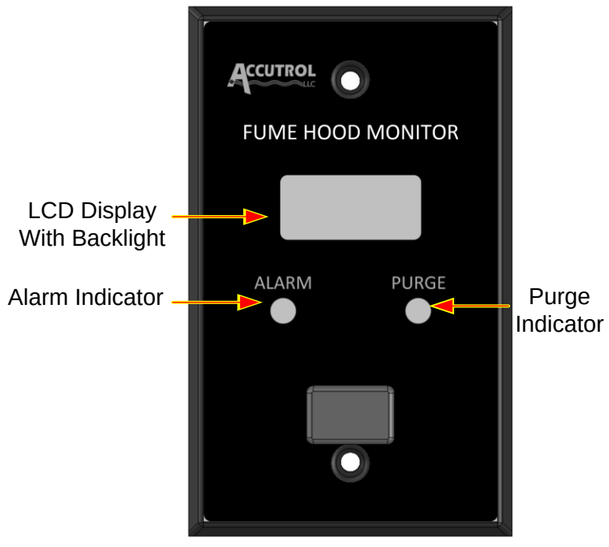
The FHM2 is a secondary display used in conjunction with the FHM1 Fume Hood Monitor for Teaching Hood applications. The information displayed on the FHM2 mirrors the information displayed on the FHM1 providing workers on both sides of the fume hood with identical status information.

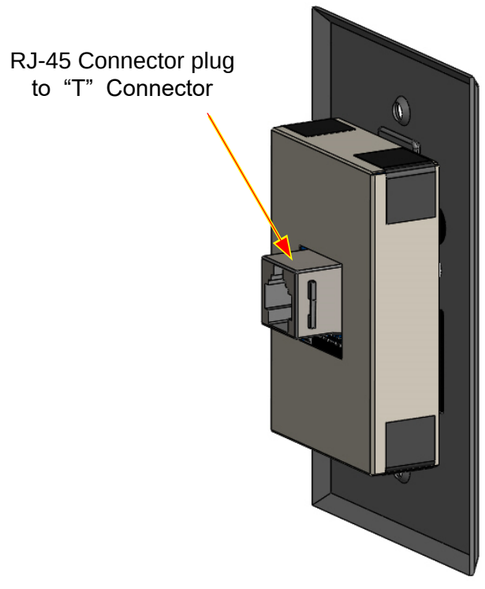
FEATURES

Display
- Character Liquid Crystal Display, 2 Lines x 8 Characters with White LED Backlight
- Indicates Face Velocity or Airflow Volume on Line 1
- Provides Alarm and Setback Messages on Line 2

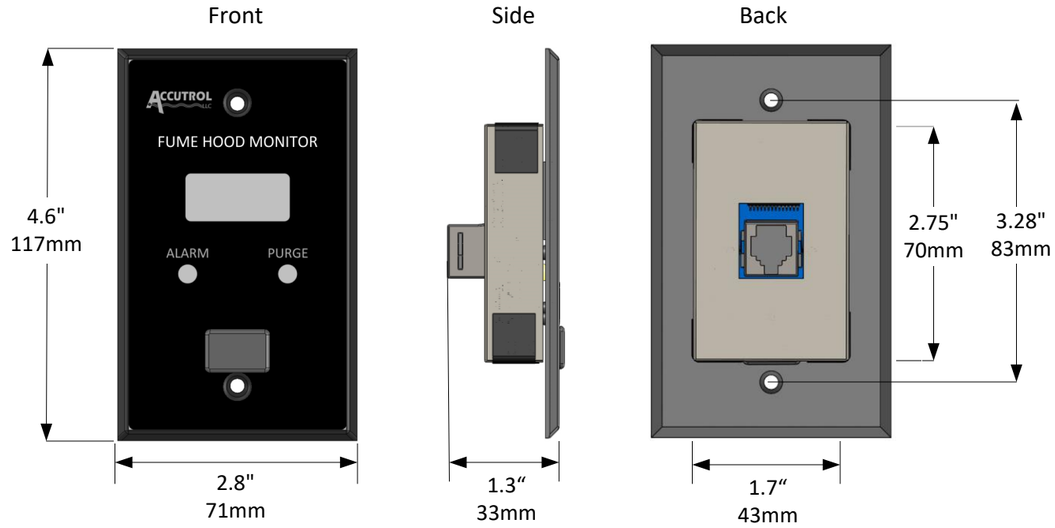
Alarm Indicators
- LED; super bright red 655nm
- LCD Line 2; provides message identifying alarm type
- Audible Alarm Tone; 90dB @ 4KHz

Purge
- Visual Indicator: LED, Super Bright Red 655nm





DIMENSIONS



PART LIST REFRENCE FOR INSTALLATION

PART #	QTY	DESCRIPTION
FHM2	1	FHM2 DISPLAY KIT
23-0054-025	1	FHM2 CABLE(BLACK,25FT) TO "T" CONNECTOR
23-0055	1	T CONNECTOR
23-0053-XXX	1	FHM1 CABLE TO AVC(WHITE, SEE NOTE FOR LENGTH)

NOTE: CABLE 23-0053-XXX COMES IN 4 SIZES.
SEE MODEL CODE FOR INFO.

ACCUTROL LLC
21 Commerce Dr
Danbury, CT 06810
Tel: 203-445-9991
accutrolllc.com

Accutrol Representative:

SUBMITTAL DRAWING
FHM

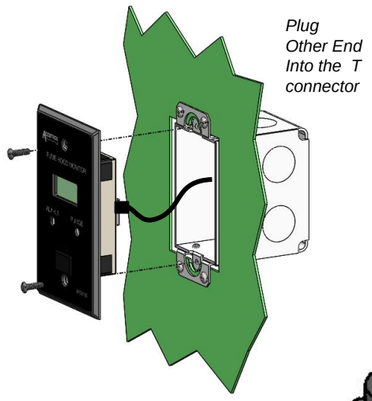
THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE.

THIS DOCUMENT OR THE CONTENTS THEREOF SHALL NOT BE MODIFIED WITHOUT PRIOR WRITTEN PERMISSION BY ACCUTROL LLC.

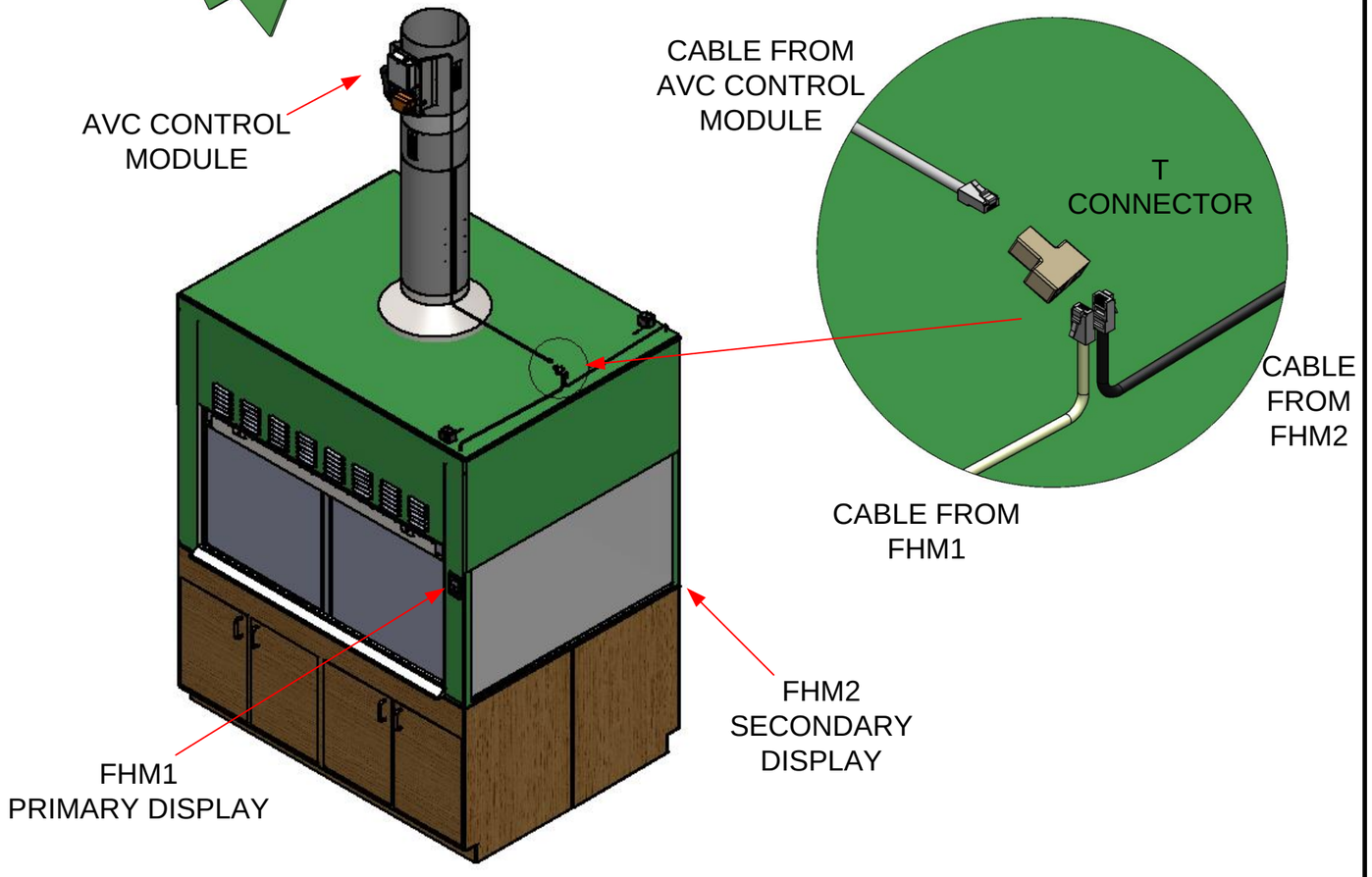
DWG. NO:	FHM SUBMITTAL DWG		
REVISION:	A	ECN:	2400
REV. DATE:	9-28-18	SHEET: 2	OF: 3

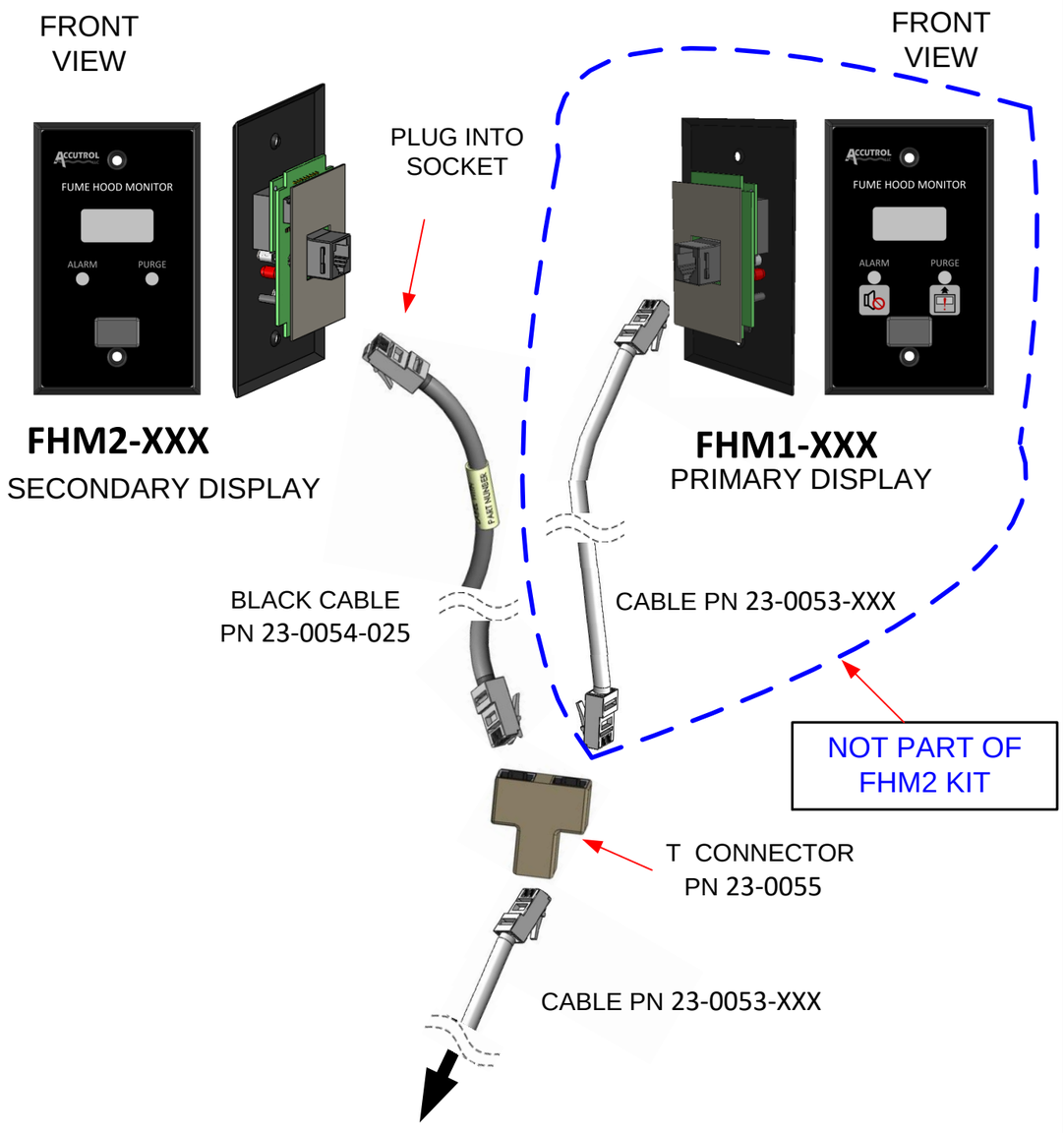
MODEL FHM2 INSTALLATION

The FHM2 is designed to install into a standard single-gang electrical box, usually provided on the front of the fume hood as shown below.



1. Feed the Cable (PN 23-0054-025) into the back of the electrical box.
2. Plug the Cable (PN 23-0054-025) into the Connector located on the back of the FHM2.
3. Plug the other end of the Cable (PN 23-0054-025) into the T connector(PN 23-0055**)**.
4. Secure the FHM2 to the electrical box using the two screws provided.





ACCUTROL LLC
21 Commerce Dr
Danbury, CT 06810
Tel: 203-445-9991
accutrolllc.com

Accutrol Representative:

SUBMITTAL DRAWING

FHM

THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE.

THIS DOCUMENT OR THE CONTENTS THEREOF SHALL NOT BE MODIFIED WITHOUT PRIOR WRITTEN PERMISSION BY ACCUTROL LLC.

DWG. NO:	FHM SUBMITTAL DWG		
REVISION:	A	ECN:	2400
REV. DATE:	9-28-18	SHEET: 3	OF: 3