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

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.

Plug Other End Into the AVC Control Module

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

Front   Side   Back

ACCUTROL
FUME HOOD MONITOR
ALARM   PURGE

LCD Display With Backlight
4.6" 117mm
Alarm Indicator Mute Button
RJ-45 Connector Plug to AVC Control Module
Purge Indicator
Purge Button
Removable Cover Plug for USB Configuration Port
2.8" 71mm
1.3" 33mm
3.28" 83mm
1.7" 43mm
2.75" 70mm

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 Representative:

SUBMITTAL DRAWING
FHM

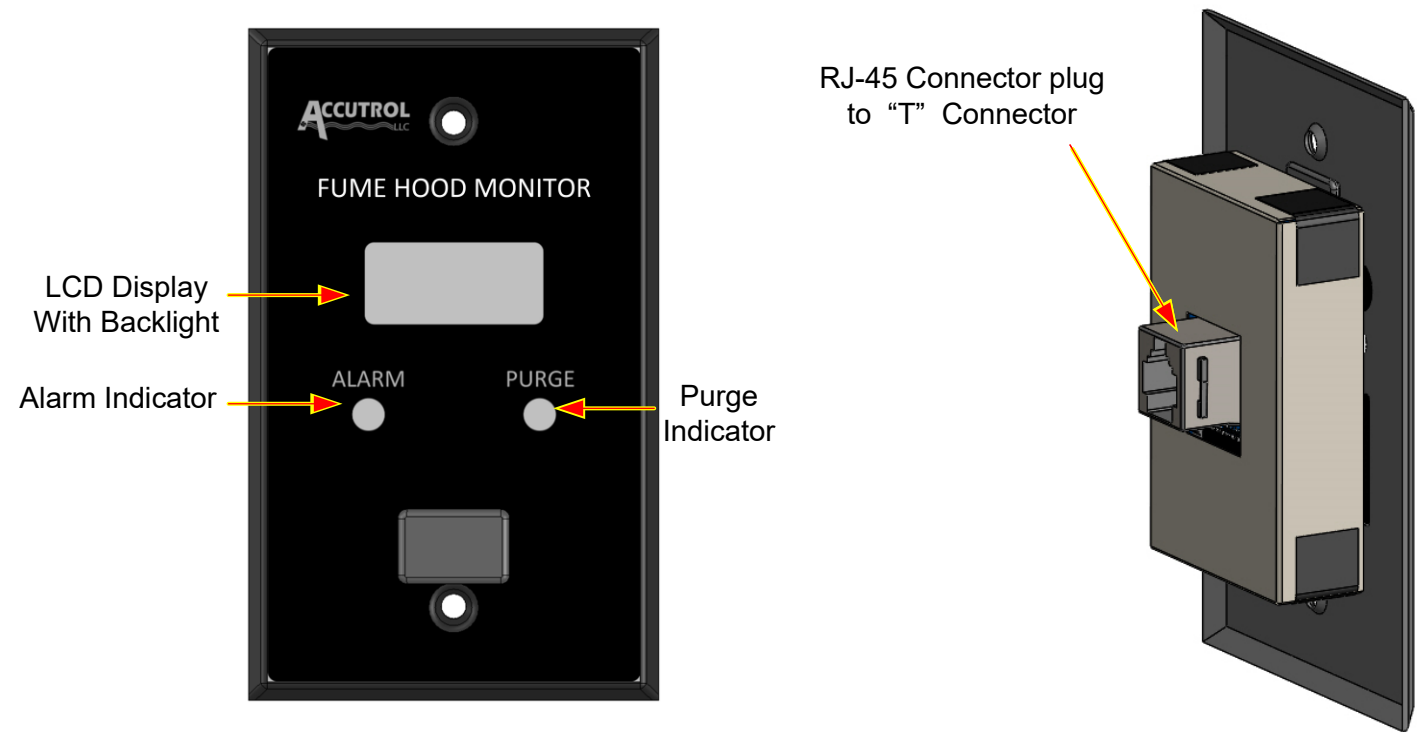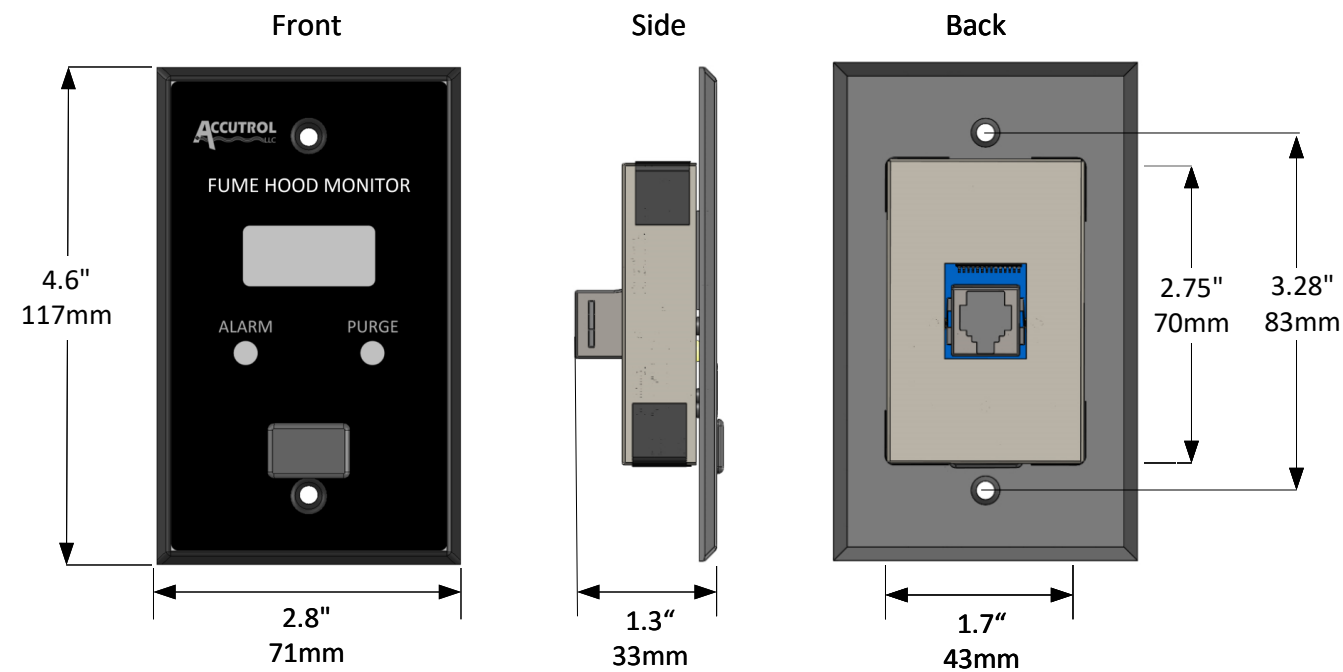| DWG. NO:	FHM SUBMITTAL DWG		
REVISION:	B	ECN:	3065
REV. DATE:	3-24-25	SHEET: 1 OF: 3	

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

LCD Display
With Backlight

Alarm Indicator

ALARM　PURGE

Purge
Indicator

FUME HOOD MONITOR

RJ-45 Connector plug
to "T" Connector

DIMENSIONS

Front　　　　Side　　　　Back

FUME HOOD MONITOR

ALARM　PURGE

4.6"
117mm

2.8"
71mm

1.3"
33mm

1.7"
43mm

2.75"
70mm

3.28"
83mm

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
23-0074-XXX	1	RJ45 CABLE, SHIELDED, TO AVC

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

SUBMITTAL DRAWING
FHM

DWG. NO:	FHM SUBMITTAL DWG		
REVISION:	B	ECN:	3065
REV. DATE:	3-24-25	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.

Plug Other End Into the T connector

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.

AVC CONTROL MODULE

CABLE FROM AVC CONTROL MODULE

T CONNECTOR

CABLE FROM FHM2

CABLE FROM FHM1

FHM2 SECONDARY DISPLAY

FHM1 PRIMARY DISPLAY

FRONT VIEW

FRONT VIEW

PLUG INTO SOCKET

FHM2-XXX
SECONDARY DISPLAY

FHM1-XXX
PRIMARY DISPLAY

BLACK CABLE PN 23-0054-025

CABLE PN 23-0074-XXX

NOT PART OF FHM2 KIT

T CONNECTOR PN 23-0055

CABLE PN 23-0074-XXX

TO AVC CONTROL MODULE (SOLD SEPERATELY)

Accutrol Representative:

SUBMITTAL DRAWING

FHM

DWG. NO:	FHM SUBMITTAL DWG		
REVISION:	B	ECN:	3065
REV. DATE:	3-24-25	SHEET: 3 OF: 3	