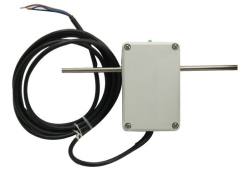# CalFlo™ CFAS

THERMAL MASS AIR FLOW SWITCH

Description

Ideal for small pipe and low flow applications, the CalFlo™ CFAS is a compact inline air flow switch that will accurately monitor a variety of gaseous media. Completely encapsulated in epoxy resin, the CFAS features a broad measuring range, LED output display and is well-suited for small pipes up to 3/4" in diameter. Typical applications include vent gas, wet stack gas, sample line flow, purge flow, nitrogen blanket flow and many others. Select the appropriate configurations based on your application or contact our Application Specialist for additional assistance.

Features & Benefits

- Ideal for Small Pipe and Low Flow Applications
- Rugged Industrial Design
- Compact, No Additional Parts
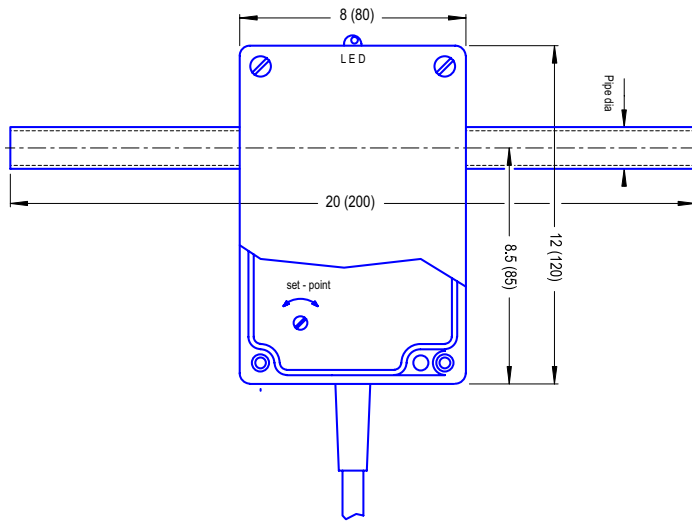- Features LED Output Display
- Temperature Compensated
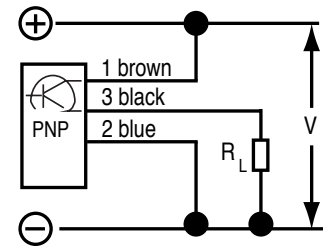
Specifications

Sensor	
Service	Compatible Gasses
Measuring Range	1.5-65 fps (0.5 - 20 mps)
Set-Point Adjustment	Stepless over total measuring range
Switching Hysteresis	< 20%
Switching Delay	Approx. 2 seconds when falling below or when exceeding set-point by more than 7 fps
Repeatability	< 1%
Temperature Drift	< 0.3% / K
Process Temperature	F: -4° to 158° C: -20° to 70°
Pressure	140 psi (10 bar)
Protection Rating	NEMA 4 (IP65)
Approval	CE

Mechanical	
Inline Sensor Pipe Material	Stainless Steel
Sensor Material	Ceramic, platinum with overglaze
Enclosure Material	Makrolon®
Connection Size	5/16", 1/2", 3/4"
Connection Type	Female NPT (Std.); Special Connection (Optional)
Electrical	
Supply Voltage	24 VDC ±15%
Consumption	Approx. 100 - 200 mA (max. flow)
Output Current	400 mA
Protective Circuit	Reverse voltage, short circuit and overload protection
Cable	
Cable Jacket Material	Oilflex
Cable Length	6.5 ft, 3-conductor 18 AWG

Dimensions cm (mm)

Connection Diagram

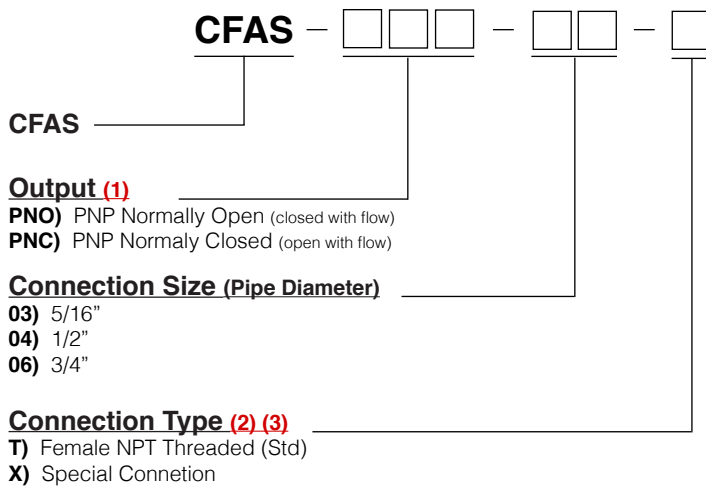# Ordering Information

FLO-CORP MODEL NUMBER BUILDER   For Assistance Call **877.356.5463**

Use the diagram below, working from left to right to construct your FLO-CORP Model Number.
Simply match the category number to the corresponding box number.

Example: CFAS-PNO-03-T   *CalFlo™ CFAS Thermal Mass Inline Air Flow Switch, PNP Normally Open Output, 5/16" Sensor Pipe Diameter, Female NPT Connection*

CFAS – ☐☐☐ – ☐☐ – ☐

CFAS

Output (1)
PNO) PNP Normally Open (closed with flow)
PNC) PNP Normaly Closed (open with flow)

Connection Size (Pipe Diameter)
03) 5/16"
04) 1/2"
06) 3/4"

Connection Type (2) (3)
T) Female NPT Threaded (Std)
X) Special Connetion

Ordering Notes:
(1) Select the best configuration based on your requirements
(2) If you require a Special Connection (X), please consult factory with your requirements
(3) Comes complete with 6.5' (2m) pre-wired cable and manual

Specifications are subject to change without notice.