



Project Name		
Engineer		
Contractor		
<input type="checkbox"/> SCHEDULE ATTACHED		
Item #	Tag ID	
Inlet Diameter/Size	Mounting Style	Size

Refer to attached SCHEDULE for table details if button is checked in any of the tables

<input type="radio"/> BASE MODEL
<input type="checkbox"/> GTC108-F
<input type="checkbox"/> GTM108-F
<input type="checkbox"/> GTL108-F
<input type="checkbox"/> GTD108-F
<input type="checkbox"/> Other _____

LISTINGS
<input checked="" type="checkbox"/> UL 873
<input checked="" type="checkbox"/> BTL (GTC116 and GTM116)
<input type="checkbox"/> CE (European shipments only)
<input type="checkbox"/> Other _____

<input checked="" type="checkbox"/> PROBE ENVIRONMENTAL LIMITS	
TEMPERATURE	
Probe	<input checked="" type="checkbox"/> -20 to 160°F
Transmitter	<input checked="" type="checkbox"/> -20 to 120°F
HUMIDITY (non-condensing)	
Probe	<input checked="" type="checkbox"/> 0 to 100%
Transmitter	<input checked="" type="checkbox"/> 5 to 95%

<input type="radio"/> PROBES (1 SENSOR NODE/PROBE)			
<input type="checkbox"/> SWSI (-F/SI)	Probes/ Inlet	<input checked="" type="checkbox"/> 2	
<input type="checkbox"/> DWDI (-F/DI)			
<input type="checkbox"/> FAN ARRAYS (-F/An where n = probes)			
<input type="checkbox"/> n=1	<input type="checkbox"/> n=2	<input type="checkbox"/> n=3	<input type="checkbox"/> n=4
<input type="checkbox"/> n=5	<input type="checkbox"/> n=6	<input type="checkbox"/> n=7	<input type="checkbox"/> n=8
Probes/ Fan	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> Var.

<input checked="" type="checkbox"/> AVERAGING
<input checked="" type="checkbox"/> Airflow: Independent, arithmetic average
<input checked="" type="checkbox"/> Temperature: Independent, field selectable, velocity weighted (default) or arithmetic average

<input checked="" type="checkbox"/> INDIVIDUAL SENSING NODES	
HOUSING	<input checked="" type="checkbox"/> Glass-filled polypropylene
THERMISTORS	<input checked="" type="checkbox"/> Self-heated sensor: Hermetically-sealed bead-in-glass thermistor probe <input checked="" type="checkbox"/> Temperature sensor: Hermetically-sealed bead-in-glass thermistor probe
AIRFLOW MEASUREMENT	<input checked="" type="checkbox"/> Accuracy: ±2% of reading <input checked="" type="checkbox"/> Calibrated range: 0 to 10,000 fpm <input checked="" type="checkbox"/> Calibration points: 16 <input checked="" type="checkbox"/> NIST-traceable calibration
TEMPERATURE MEASUREMENT	<input checked="" type="checkbox"/> Accuracy: ±0.15°F <input checked="" type="checkbox"/> Calibrated range: -20 to 160°F <input checked="" type="checkbox"/> Calibration points: 3 <input checked="" type="checkbox"/> NIST-traceable calibration

○ INLET PROBE SIZE AND MOUNTING STYLE

		Inlet Size Range (Diameter or size at mtg. location)															
		<input type="checkbox"/> FAN ARRAYS (Fan Number)								<input type="checkbox"/> Throat		<input type="checkbox"/> Face		<input type="checkbox"/> Forward		<input type="checkbox"/> Flare	
Size Code	<input type="checkbox"/> SWSI <input type="checkbox"/> DWDI	1	2	3	4	5	6	7	8	Min. Dia. (in.)	Max. Dia. (in.)	Min. Dia. (in.)	Max. Dia. (in.)	Min. Dia. (in.)	Max. Dia. (in.)	Min. Size (in.)	Max. Size (in.)
000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	≥ 6	≤ 7	NA	NA	NA	NA	NA	NA
00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	≥ 7	≤ 9	NA	NA	NA	NA	NA	NA
0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	≥ 8	≤ 12	NA	NA	≥ 6	≤ 9	≥ 6	≤ 9
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	≥ 10	≤ 15	≥ 11	≤ 13	≥ 7	≤ 13	≥ 8	≤ 11
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	≥ 14	≤ 23	≥ 13	≤ 18	≥ 10	≤ 18	≥ 10	≤ 15
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	≥ 18	≤ 32	≥ 18	≤ 25	≥ 14	≤ 25	≥ 12	≤ 20
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	≥ 27	≤ 49	≥ 25	≤ 35	≥ 19	≤ 35	≥ 16	≤ 27
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	≥ 35	≤ 66	≥ 34	≤ 50	≥ 27	≤ 50	≥ 21	≤ 38
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NA	NA	≥ 47	≤ 77	≥ 40	≤ 64	≥ 31	≤ 57

○ MOUNTING STYLES

THROAT MOUNT



FACE MOUNT



FORWARD MOUNT



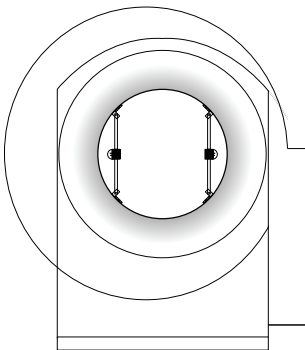
FLARE MOUNT



○ SWSI and DWDI FANS - PROBE ORIENTATION AND SUGGESTED TRANSMITTER CONNECTIONS

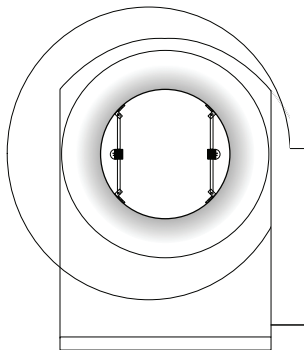
SWSI FANS

✓ Left C1 ✓ Right C2

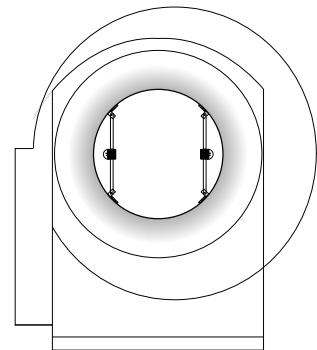


DWDI FANS

✓ Left C1 ✓ Right C2



✓ Left C3 ✓ Right C4



FAN ARRAYS - # OF PROBES, PROBE ORIENTATION AND SUGGESTED TRANSMITTER CONNECTIONS

# OF PROBES	# OF FANS	PROBES/INLET	PROBE # ➤	1	2	3	4	5	6	7	8
			CONNECTOR # ➤	C1	C2	C3	C4	C5	C6	C7	C8
			ORIENTATION ➤	Left	Right	Left	Right	Left	Right	Left	Right
			MODEL NUMBER ▼	FAN NUMBER (see diagram below) ▼							
<input type="checkbox"/>	1	1	GTx108-F/A1	1							
<input type="checkbox"/>		2	GTx108-F/A2	1	1						
<input type="checkbox"/>	2	1	GTx108-F/A2	1	2						
<input type="checkbox"/>		2	GTx108-F/A4	1	1	2	2				
<input type="checkbox"/>	3	1	GTx108-F/A3	1	2	3					
<input type="checkbox"/>		2	GTx108-F/A6	1	1	2	2	3	3		
<input type="checkbox"/>	4	1	GTx108-F/A4	1	2	3	4				
<input type="checkbox"/>		2	GTx108-F/A8	1	1	2	2	3	3	4	4
<input type="checkbox"/>	5	1	GTx108-F/A5	1	2	3	4	5			
<input type="checkbox"/>	6	1	GTx108-F/A6	1	2	3	4	5	6		
<input type="checkbox"/>	7	1	GTx108-F/A7	1	2	3	4	5	6	7	
<input type="checkbox"/>	8	1	GTx108-F/A8	1	2	3	4	5	6	7	8

Note: The probe numbering and suggested fan numbering convention and transmitter connections facilitates and enhances the FAN ALARM feature and use of the optional EB-Link interface and reader. It is NOT required for proper operation of the airflow measuring device.

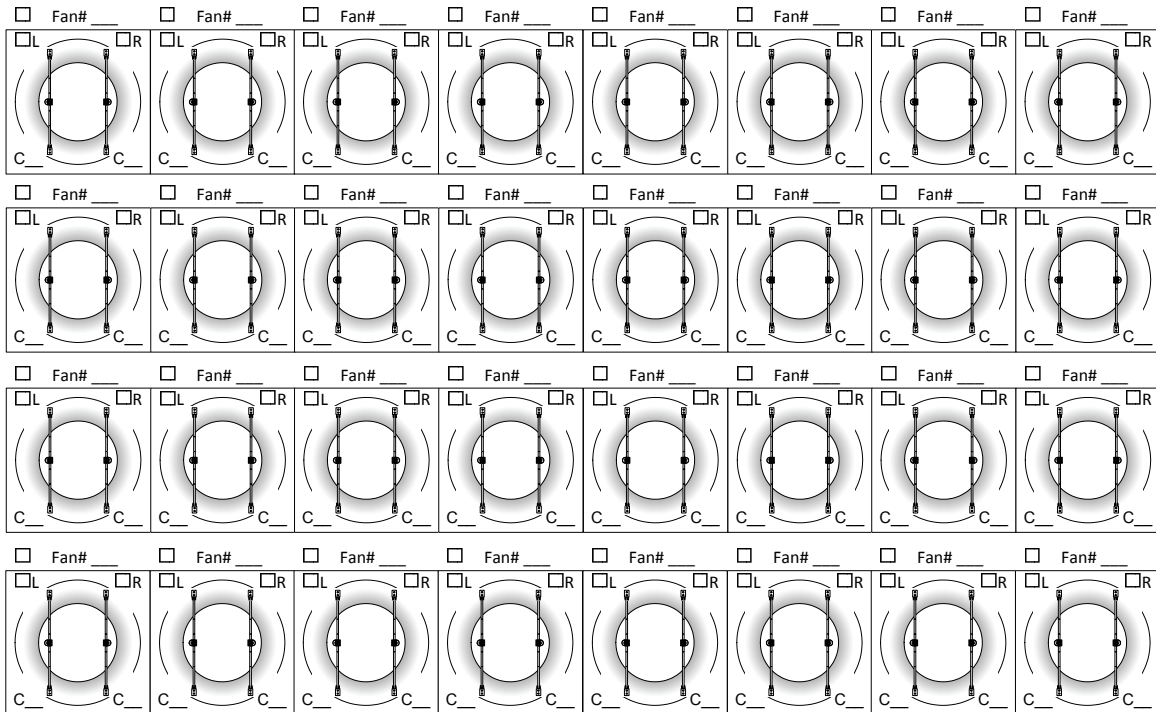
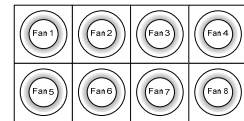
FAN ARRAYS - PROBE LOCATION IN ARRAY (looking from inlet side of fan)

SUGGESTED FAN NUMBERING CONVENTION

Number left to right - row by row - start at the top row and work down.

Note: Single probe flare mounting should be installed in the center of the backdraft damper opening.

Example: 2 row x 4 fans (8 fans total)



CABLE TYPE

FEP Plenum Rated (std.)

Other _____

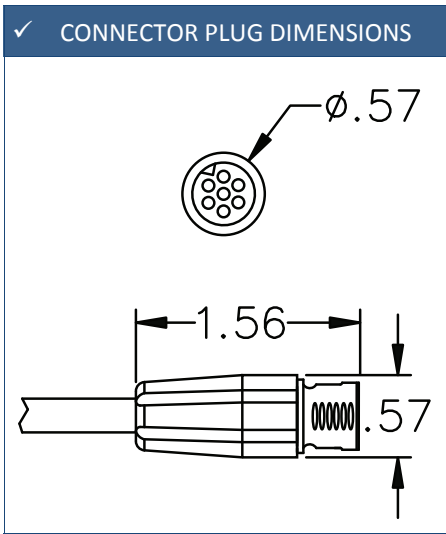
CABLE LENGTH

10 ft. (std.)

25 ft.

50 ft.

Custom ____ ft.



TRANSMITTER

<input type="checkbox"/> GTC108	Two isolated analog output signals (field selectable/scalable 0-5/0-10 VDC or 4-20mA) plus one isolated RS-485 network connection (field selectable BACnet MS/TP or Modbus RTU)
<input type="checkbox"/> GTM108	Two isolated analog output signals (field selectable/scalable 0-5/0-10 VDC or 4-20mA) plus one isolated Ethernet network connection (simultaneously supported BACnet Ethernet or BACnet IP, Modbus TCP and TCP/IP)
<input type="checkbox"/> GTL108	One isolated Lonworks Free Topology network connection
<input type="checkbox"/> GTD108	One USB connection for thumb drive data-logging of sensor airflow and temperature over specified time intervals
<input type="checkbox"/> EB-Link (/EL opt.)	Interface for handheld EB-Link Reader (provided separately)

TRANSMITTER CONNECTOR PLATE

# OF PROBES	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 5	<input type="checkbox"/> 6
	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 7	<input type="checkbox"/> 8
TYPE	B		C	
RECEPTACLES	4		8	

CONNECTORS & INTERCONNECTS

Gold plated plug/receptacle pins

Gold plated PCB edge card fingers

Gold plated PCB interconnects

ENIG plated printed circuit boards

24 VAC TRANSFORMER SELECTION

TOTAL SENSORS			
<input type="checkbox"/> 1 or 2	<input type="checkbox"/> 3 or 4	<input type="checkbox"/> 5 or 6	<input type="checkbox"/> 7 or 8
13 VA	14 VA	15 VA	16 VA

MAIN CIRCUIT BOARD CONNECTIONS

ANALOG OUTPUT CONNECTIONS

Models	<input type="checkbox"/> GTC108-F	<input type="checkbox"/> GTM108-F
	+	Common
Airflow	①	③
Temperature or Alarm	②	③

NETWORK CONNECTIONS

Models	<input type="checkbox"/> GTL108-F	
	Net +	Net -
Lon Free Top.	①	②

24 VAC POWER CONNECTIONS

Models	<input checked="" type="checkbox"/> ALL	
	L2 (gnd.)	L1 (hot)
24 VAC	④	⑤

OUTPUT CARD CONNECTIONS

NETWORK CONNECTIONS

Models GTC108-F

	Net +	Net -	Net Com
RS-485	①	②	③

NETWORK CONNECTIONS

Models GTM108-F

Ethernet ① RJ-45 (10/100)