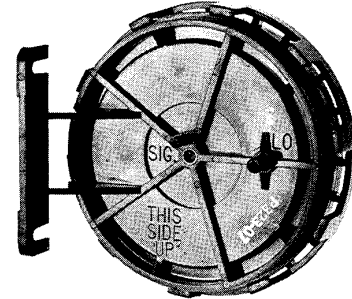


Differential or Static Pressure Transmitter General Instructions

The 2323 Differential or Static Pressure Transmitters have been designed to sense differential or static pressure across fans, coil, filters, or between two reference points, and transmit a 3 to 15 psig signal to controlling and indicating devices such as receiver controllers, receiver gauges, and sensitive pressure switches.

These devices are one-pipe transmitters which require an external restrictor in the supply line. Their design features pneumatic feedback, which ensures accuracy and stability over the entire operating range. Mounting ears are provided for strain-free mounting on ducts or other flat surfaces.



ORDERING DATA

Table-1 TRANSMITTERS.

UNI-LINE NUMBER	REPLACES MODEL	RANGE
2323-500	P323-03	0" to 3" W.C.
2323-503	P323-01	-0.5" to +0.5" W.C.
2323-504	P323-10	0" to 10" W.C.
2323-505	P323-0025	-0.05" to +0.20" W.C.

Table-2 ACCESSORIES & REPLACEMENT PARTS.

TAC WHOLESALE NUMBER	REPLACES MODEL	DESCRIPTION
20-877	N1-3	Static pressure tip - 1/4" O.D.
20-944	N4-32	Restrictor tee, copper tubing
21-038	N100-0010	Restrictor tee, polyethylene tubing
21-153	N100-2501	In-line restrictor

Table-3 RECIEVER GAUGE OVERLAYS.

Model	Supply Line Size	Signal Line Size	Range
21-764	23-63	2"	0" to 3"
21-768	24-63	2-1/2"	0" to 3"
21-773	25-63	3-1/2"	0" to 3"
21-763	23-62	2"	-0.5" to +0.5"
21-767	24-62	2-1/2"	-0.5" to +0.5"
21-772	25-62	3-1/2"	-0.5" to +0.5"
21-765	23-64	2"	0" to 10"
21-770	24-64	2-1/2"	0" to 10"
21-774	25-64	3-1/2"	0" to 10"
21-834	23-66	2"	-0.5" to +0.20"
21-578	24-66	2-1/2"	-0.5" to +0.20"
21-579	25-66	3-1/2"	-0.5" to +0.20"

SPECIFICATIONS

Action: Direct, proportional.
Output pressure: 3 to 15 psig
Main air pressure: 20 psig operating, 30 psig max.

Air consumption: 29 SCIM
Air connections: Nipples for 1/4" O.D. polyethylene tubing except LO and HI ports which require 3/8" O.D. Polyethylene tubing
Maximum ambient temperature: 140°F

Caution: THIS DEVICE SHOULD BE INSTALLED BY A QUALIFIED PERSON WITH DUE REGARD FOR SAFETY, AS IMPROPER INSTALLATION COULD RESULT IN A HAZARDOUS CONDITION.

MOUNTING

To be used on control air only. Do not use on any other medium. Using the integral mounting flange, the unit may be mounted using two machine screws or self-tapping screws. Two No. 10 x 5/8" pan head self-tapping screws are supplied. Be sure that the transmitter is mounted in a horizontal position with "THIS SIDE UP" on the top.

The sensing lines for the transmitter should be sized according to the length of run to the sensing head. By strictly adhering to the following table, there should be no adverse effects on the transmitted signal. Sensing lines must be leak free.

SENSING TUBE	
Length	Minimum O.D.
Up to 200'	1/4"
200' to 500' Max.	3/8"

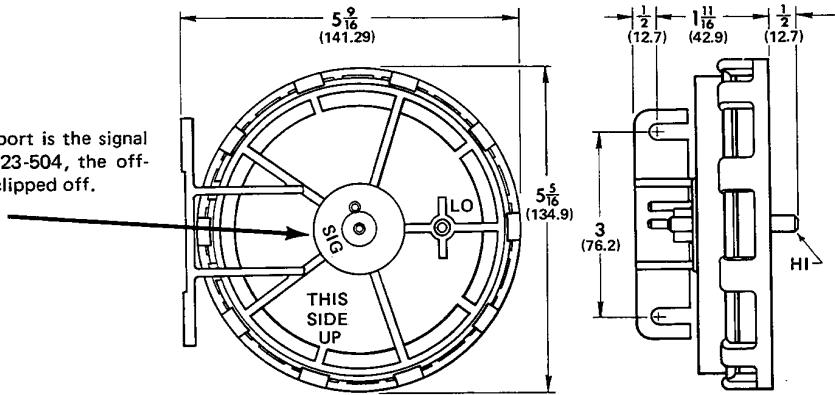
OPERATION AND MAINTENANCE

When a differential pressure is sensed between the high and low pressure sensing lines, this device will transmit a 3 to 15 psig signal proportional to the pressure sensed to a remote readout location.

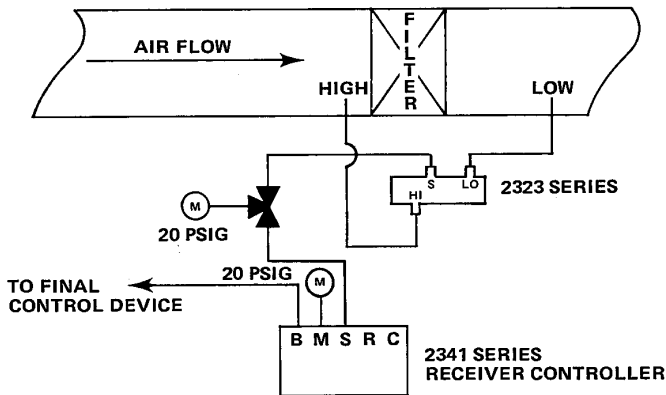
There is no maintenance required on this unit. In the event of a malfunction, make sure all air lines and restrictors are clean and open. If still inoperable, replace with a new device.

MOUNTING DIMENSIONS

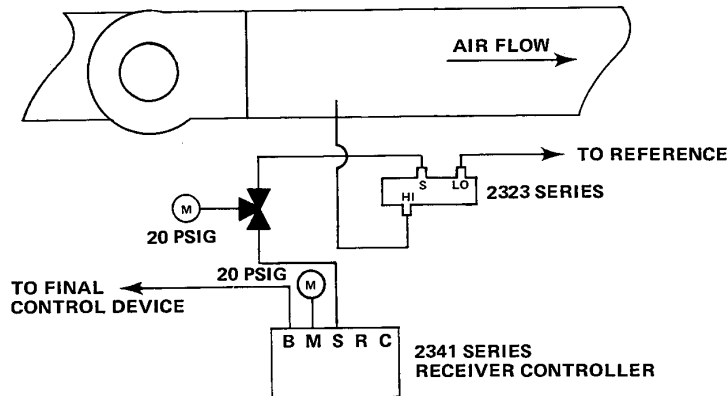
NOTE: On the 2323-500, 503 & 505, the center port is the signal and the off-center port is clipped off. On the 2323-504, the off-center port is the signal port and the center port is clipped off.



TYPICAL APPLICATION



2323 USED AS A DIFFERENTIAL PRESSURE TRANSMITTER



2323 USED AS A STATIC PRESSURE TRANSMITTER

On October 1st, 2009, TAC became the Buildings business of its parent company Schneider Electric. This document reflects the visual identity of Schneider Electric, however there remains references to TAC as a corporate brand in the body copy. As each document is updated, the body copy will be changed to reflect appropriate corporate brand changes.

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