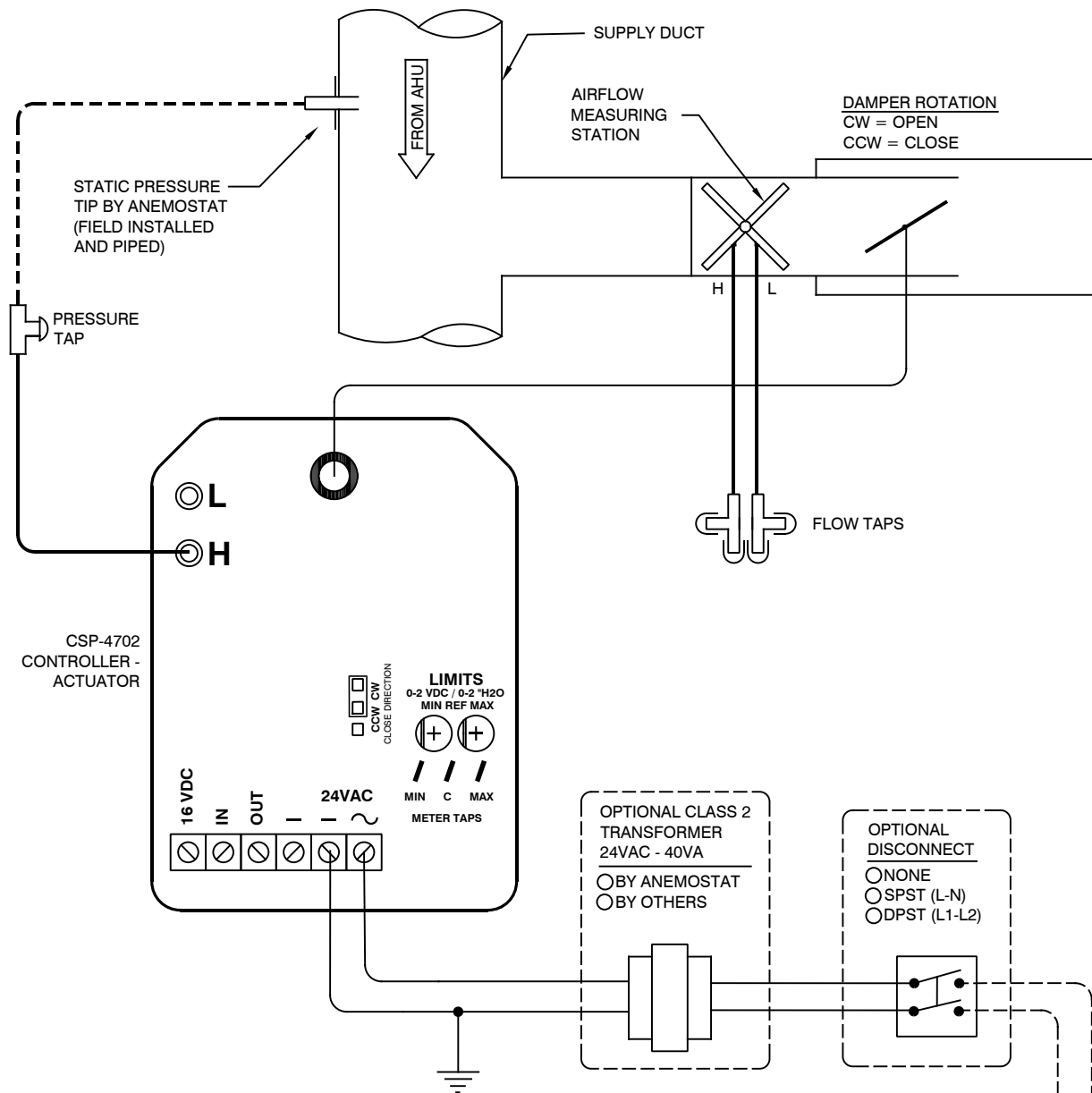# ANEMOSTAT®
AIR TERMINAL CONTROLS

Control Package
SD - A - 5290

- **SINGLE DUCT**
- **ANALOG ELECTRONIC CONTROLS**
- **DUCT STATIC PRESSURE CONTROL USING BYPASS / RELIEF**
- **MAINTAIN CONSTANT STATIC PRESSURE (0 - 2")**

SUPPLY DUCT

FROM AHU

AIRFLOW
MEASURING
STATION

DAMPER ROTATION
CW = OPEN
CCW = CLOSE

STATIC PRESSURE
TIP BY ANEMOSTAT
(FIELD INSTALLED
AND PIPED)

H   L

PRESSURE
TAP

L

H

FLOW TAPS

CSP-4702
CONTROLLER -
ACTUATOR

CCW CW
CLOSE DIRECTION

LIMITS
0-2 VDC / 0-2 "H2O
MIN REF MAX

+   +

16 VDC   IN   OUT   24VAC   — — ~

MIN   C   MAX
METER TAPS

OPTIONAL CLASS 2
TRANSFORMER
24VAC - 40VA
○ BY ANEMOSTAT
○ BY OTHERS

OPTIONAL
DISCONNECT
○ NONE
○ SPST (L-N)
○ DPST (L1-L2)

─────── **FACTORY WIRING**
- - - - - **FIELD WIRING**
━━━━━━ **FACTORY PIPING**
- - - - - **FIELD PIPING**

PRIMARY VOLTAGE, 1Ø			
120 V	○ 208 V	○ 240 V	○ 277 V
N	L2	L2	N
L	L1	L1	L
GROUND			

GRND

ADJUSTMENT PROCEDURE:
1. CONNECT THE "HI" PORT OF THE CSP-4702 TO THE PITOT TUBES OR
   SSS-1000 SERIES SENSORS.
2. CONNECT THE 24 VAC POWER. OPTIONALLY CONNECT REMOTE SETPOINT AND
   PRESSURE READING DEVICES TO A BUILDING AUTOMATION SYSTEM CONTROLLER.
3. SET THE MIN FLOW LIMIT TO THE DESIRED BYPASS PRESSURE SETPOINT.
   FACTORY DEFAULT IS 0 VDC = 0" WC.
4. KEEP THE ROTATION DIRECTION TO CW FOR THE "OPEN DIRECTION" (INSTEAD OF THE
   "CLOSE" DIRECTION)

**REFER TO ANEMOSTAT "CONTROLS MANUAL" (CM-1) FOR
ADJUSTMENT & TROUBLESHOOTING PROCEDURES.**

JOB NAME:
SUBMITTED BY:
DATE:

DWG #: SD-A-5290
REV: -
DATE: 11-20-17