

SINGLE DUCT AIR TERMINAL – PRESSURE INDEPENDENT PNEUMATIC CONTROL OPTION - CX1C, CX2C, CX7C, and CX8C

—————	BY CARNES
-----	BY OTHERS
- - - - -	OPTIONAL

ITEM	PART NO.	DESCRIPTION
1	999-2827	MULTI-FUNCTION CONTROLLER
2	AXBAG	ACTUATOR (8-13 PSI)

AIR CONSUMPTION = 30 SCIM
(EXCLUDES THERMOSTAT)

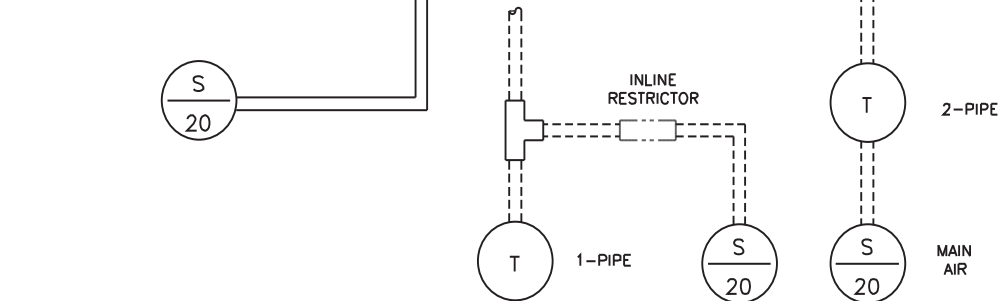
LOW PRESSURE SENSOR

YELLOW TUBING

GREEN TUBING

HIGH PRESSURE SENSOR

(N.O./N.C.)



REVERSE ACTING THERMOSTAT
NORMALLY OPEN OR
NORMALLY CLOSED
DAMPER

TO
P/E SWITCH(ES)
OF HEATER

SEQUENCE OF OPERATION

WITH AN INCREASE IN ROOM TEMPERATURE, THERMOSTAT PRESSURE IS DECREASED CAUSING THE DAMPER TO OPEN TOWARDS THE MAXIMUM CFM SETTING TO SATISFY ROOM SET-POINT.

WITH A DECREASE IN ROOM TEMPERATURE, THERMOSTAT PRESSURE IS INCREASED CAUSING THE DAMPER TO CLOSE TOWARDS THE MINIMUM CFM SETTING TO SATISFY ROOM SET-POINT.

MINIMUM AND MAXIMUM CFM SETTINGS ARE FACTORY SET, AND MAINTAINED BY THE VOLUME REGULATOR.

WHEN THE SYSTEM IS DESIGNED WITH REHEAT, HEATING STAGES ARE ENERGIZED AT THE APPROPRIATE PRESSURE SETTINGS.

DAMPER AND CONTROLLER MAY BE SET IN EITHER THE NORMALLY OPEN OR THE NORMALLY CLOSED POSITION.

CONTROL DIAGRAM

