



1. LOCATE THE STATIC PRESSURE PROBES 2/3 THE LENGTH OF THE MAIN DUCT RUNS
2. ISOLATION ROOM CONTROLS SHALL BE FULLY INTEGRATED INTO THE FMS. ALL POINTS AVAILABLE FROM THE CONTROLLED SHALL BE MONITORED/CONTROLLED BY THE FMS. THE FOLLOWING IS A MINIMUM MANDATORY LIST OF POINTS TO BE PROVIDED.

- A. OCCUPIED TEMPERATURE SETPOINT OUTPUT/INPUT
 - B. OCCUPIED OVERRIDE OUTPUT/INPUT
 - C. UNOCCUPIED COOLING TEMPERATURE SETPOINT OUTPUT/INPUT
 - D. UNOCCUPIED HEATING TEMPERATURE SETPOINT OUTPUT/INPUT
 - E. LOCAL TEMPERATURE SETPOINT LEVER SCALING
 - F. LOCAL TEMPERATURE SETPOINT LEVER ENABLE
 - G. SPACE RELATIVE HUMIDITY OUTPUT
 - H. DISCHARGE AIR TEMPERATURE OUTPUT
 - I. PRIMARY TEMPERATURE LOOP COOLING COMMAND OUTPUT
 - J. PRIMARY TEMPERATURE LOOP HEATING COMMAND OUTPUT
 - K. HOT WATER VALVE COMMAND OUTPUT
 - L. ZONE FLOW OFFSET SETPOINT OUTPUT/INPUT
 - M. MINIMUM SUPPLY FLOW OFFSET SETPOINT
 - N. EMERGENCY OVERRIDE OUTPUT/INPUT
 - O. ZONE TOTAL SUPPLY FLOW OUTPUT
 - P. ZONE TOTAL EXHAUST FLOW OUTPUT
 - Q. ZONE VOLUMETRIC OFFSET OUTPUT
 - R. SUPPLY VALVE FLOW FEEDBACK OUTPUT
 - S. EXHAUST VALVE FLOW FEEDBACK OUTPUT
 - T. SUPPLY VALVE JAM ALARM
 - U. SUPPLY VALVE FLOW ALARM
 - V. EXHAUST VALVE JAM ALARM
 - W. EXHAUST VALVE FLOW ALARM
3. ROOM PRESSURE MONITORS SHALL BE FULLY INTEGRATED INTO THE FMS. ALL POINTS AVAILABLE FROM THE MONITOR SHALL BE MONITORED BY THE FMS.

The diagram illustrates the general wiring for a terminal unit. It shows connections for E.A., PDI EF-01, FILER DIFF. PRESS., STARTSTOP (DO), STATUS (DI), MS, ES EF-01, IS EF-01, and E.A. The terminal unit is connected to a control power source and a signal line.

FROM PREVIOUS UNIT ON LAN

TO NEXT UNIT ON LAN

CONTROL POWER

LOCATE SENSORS WHERE SHOWN ON THE PLANS

TIT TU-01

H

C

FCV TU-01

FMS CONTROLLER

TT TU-01

HWR

TCV TU-01

NO

HWS

E.A.

PDT EF-01

MS

ES EF-01

IS EF-01

LINE

FILETER DIFF. PRESS.

(AI)

(DO)

(DI)

PDI EF-01

HS EF-01

II EF-01

MAX

CFM RELATIVE AIRFLOW

CONTROL SIGNAL, PERCENT

VARIABLE VOLUME CONTROL

HOT WATER COIL

AIRFLOW

0

25

50

75

100

FROM PREVIOUS UNIT ON LAN

TO NEXT UNIT ON LAN

CONTROL POWER

LOCATE SENSOR WHERE SHOWN ON THE PLANS

TIT TU-01

H

C

FCV TU-01

FMS CONTROLLER

TT TU-01

HWS

TCV TU-01

NC

HWR

E.A.

PDI EF-01

MS

ES EF-01

IS EF-01

LINE

FILETER DIFF. PRESS.

(AI)

(DO)

(DI)

PDI EF-01

HS EF-01

II EF-01

MAX

CFM RELATIVE AIRFLOW

CONTROL SIGNAL, PERCENT

CONSTANT VOLUME CONTROL

HOT WATER FLOW

MAX CLG

0

50

100

THE TERMINAL UNIT SHALL PROVIDE THE FLOW CHARISTICS SHOWN ON THE GRAPH. EACH TERMINAL UNIT SHALL BE EQUIPPED WITH ITS OWN STAND ALONE CONTROLLER WHICH SHALL HAVE THE CAPABILITIES DESCRIBED IN THE SPECIFICATION. THE WIRING SHOWN IS PROVIDED AS A GENERAL DESCRIPTION AND IS NOT AS A DETAILED WIRING DIAGRAM WHICH VARIES WITH THE MANUFACTURER.

#	Revisions	Date

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Drawing Title	
HVAC INSTRUMENTATION DIAGRAMS (CONTROLS)	
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Department of
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COMPLETION ITEM NO. _____
FULLY SPRINKLERED