

## APPENDIX C

	General	HVAC	Security	Life Safety	Group 4	Group 5	Group 6	Group 7
<b>Type of Point</b>								
Setpoints (Zone Temp, Fixed DA,  etc.)					X			
Binary Override (Pumps)						X		
Analog Override (Temp & Dampers)							X	
Schedule								X
Logs								X
Fire, Mass Notification (Future)				X				
Card Key Access (Future)			X					
Reset Points (Hard Code Points)		X						
All Others	X							
<b>Type of User</b>								
Administrator	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
Controls Technician	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
Journeyman HVAC Technician	R	R/W		R	R/W	R/W	R/W	R/W
Trades Mechanic	R	R	R	R	R/W	R/W	R/W	R/W
Select Building Managers	R	R	R/W	R/W	R/W	R	R	R/W
Laborers / Helpers	R	R		R	R	R/W	R	R
Select Building Occupants	R	R	R	R	R/W	R	R	R
Guest	R	R		R	R	R	R	R

R - Read only

R/W - Read/Write

## Approved Alarm Text Format

Examples:

03236, AHU-1, MA (Mixed Air) Low Limit 03236, AHU-1, MALL (Mixed Air Low  
imit) Alarm

Figure 1. DDC Password Protection Matrix

# JBLM DDC Alarm Matrix

The intent of the Alarm Matrix is to route points through the Tridium Web Supervisor Alarm Console to the Alarm Service (2 copies come with the software), applied on the same workstation.

POINTS	CLASS	COMMAND	STATUS	ALARM OUTPUT
AHU'S				
Supply Fans	200	Enabled	off	TRUE
Supply Fans	200	Disabled	on	TRUE
Return Fans	200	Enabled	off	TRUE
Return Fans	200	Disabled	on	TRUE
HW Coils w/ feedback	200	Enabled	Not=to Cmd:	TRUE
Discharge Air Sensors	200	Track Setpoint	< or > 20 Deg F	TRUE
Closed or open Sensor	300		Open/Closed	TRUE
Temperature Transmitters	300		0 or 40 > MA	TRUE
DDC Controllers				
Loss of communication	0		No Communication	TRUE
Smoke Detector Signals	200		Closed or True	
BOILERS & HYDRONICS				
Boilers	100	Enabled	off	TRUE
Boilers	200	Disabled	on	TRUE
Heat Exchangers	200	Enabled	Off	TRUE
Heat Exchangers	200	Disabled	on	TRUE
HWS Valves w/ feedback	200	Enabled	Not = to Cmd:	TRUE
HWS Temperature	200	Track Setpoint	< or > 20 Deg F	TRUE
HWR				
Temperature	200	Enabled	< setpoint	TRUE
TERMINAL UNITS				
All Devices w/ status	200	Enabled	off	TRUE
All Devices w/ status	300	Disabled	on	TRUE
Discharge Air Sensors	300	Track Setpoint	< or >20 Deg F	TRUE
Closed or open Sensor	300		Open/Closed	TRUE
Temperature Transmitters	300		0 or >40 MA	TRUE

## ZONE TEMPERATURE SENSORS

Discharge Air		Track	
Sensors & T-Stats	300	Setpoint < 20 > Deg F	
	TRUE Closed or		
open Sensor	300	Open/Closed	
	TRUE Temperature		
Transmitters	300	0 or >40 MA	TRUE

The intent of the matrix is to generate Alarm Conditions for the following matrix. Common sense must be applied to points not defined in this matrix to generate Alarm Conditions that indicate mechanical equipment is not operating in accordance with the sequence of operation.

## CLASS CONDITION

0(Default):	No Communication with Device
100(Emergency):	No Heat / No Cooling or ESTOP
200(Urgent):	Status Failure, No Heat or Cooling, Duct Smoke
300(Routine):	Open Sensors or Fault Conditions
400(Maintenance):	Dirty Filters or Runtime Mode

**\*Configure alarms to only propagate when in an alarm state (off-normal/status mismatch). DO NOT configure alarms to propagate the JACE station with alarm alerts pertaining to "back to normal" or "fault" state.\***

-- End of Section --