DENLAR FIRE PROTECTION

COMMON FAN CONTROL SYSTEM: -CFCS

NORMAL OPERATING CONDITIONS

- ON/OFF Fan Control. No Variable Speed Control from the Hood.
- Each Denlar Hood Requires a D1000-FBO.
- Eight Denlar Hoods Maximum tie in.
- If a Make-up Air Fan or Dampers are needed at the Denlar Hood, Then a D1000-MACM (Make-up Air Module) connects to the Blue Line (5).
- The Common-Fan powers ON when either the Bypass Switch is turned ON or one of the Denlar Hoods has an event requiring the Common-Fan to turn ON.
- To meet NFPA requirements, the Common Fan must pull 500 CFM's from each Denlar Hood.

SPECIFICATIONS

FAN RATING SPECIFICATION			
Phase	**Voltage**	**HP**	**AMPS**
1 PH	120	2	24
1 PH	240	3	17
3 PH	200-208	7.5	25.3
3 PH	220-240	7.5	22
3 PH	440-480	15	21
3 PH	550-600	20	22

FIGURE KEY

1	Purple Line is Fan Power Voltage Input (120 VAC) to the Bypass Switch and the D1000-FBO (see chart for Fan Ratings). This Circuit is the same for all the D1000-FBO inputs. D1000-FBO are ran in a parallel circuit. Purple Line Not Provided by DFP.
2	Red Line is the output of the D1000-FBO (120VAC). The D1000-FBO outputs are tied together in a Power Distribution Box. Red Line Not Provided by DFP.
3	Green Line is the output of the Bypass Switch (120 VAC). Green Line Not Provided by DFP.
4	Yellow line is the output of the Power Distribution Box to the Fan (120 VAC). Yellow Line Not Provided by DFP.
5	Blue line is the output from the D1000 to the D1000-FBO (120 VAC). This closes the contact inside the D1000-FBO to power the fan. Provided by DFP with Plug 'N' Play connection.

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