

Hood control panel to support communications to cloud-based Hangement System do Control Panel to allow cloud-based Building Management System monitor real time parameters outlined as MONITOR in the points Test. Hood Control Panel to allow cloud-based Building Management System control parameters outlined as CONTROL in the points

> MONITORING AND CONTROL POINTS LIST

RackagesFunctionJemperatureMONITORJemperature(s)MONITORTemperature(s)MONITORFemperatureMONITORFemperatureMONITORFanMONITORSpeedMONITORFanMONITORFanMONITORFanMONITORFanMONITORFanMONITORFanMONITORFanMONITORFanMONITORFaultsMONITORFaultsMONITORFaultsMONITORFaultsMONITORFaultsMONITORFaultsMONITORStatusMONITORFireMONITORPercentagesMONITORFireMONITORBuildingMONITORBuildingMONITORBuildingMONITORBuildingMONITORBuildingGANTROK &BuiltonGANTROK &BuiltonGANTROK &BuiltonGANTROK &	DCV	
TemperatureMONITORJuctMonitorTemperature(s)MONITORTemperatureMONITORFemperatureMONITORFemperatureMONITORSpeedMONITORAmperageMONITORFanMONITORFantisMONITORFaultsMONITORFaultsMONITORFaultsMONITORFaultsMONITORFaultsMONITORFaultsMONITORFaultsMONITORFaultsMONITORStatusMONITORStatusMONITORFreeMONITORFreesuresMONITORBuildingMONITORFreesuresMONITORButtonGANTROK &ButtonGANTROK &ButtonGANTROK &ButtonGANTROK &	Packages Room	Function
Temperature(s)MONITORTemperatureMONITORTemperatureMONITORFamperatureMONITORSpeedMONITORAmperageMONITORFanMONITORPowerMONITORFanMONITORFanMONITORFanMONITORFanMONITORFanMONITORFanMONITORFanMONITORFanMONITORFanMONITORFaultsMONITORFaultsMONITORFaultsMONITORStatusMONITORStatusMONITORFerentagesMONITORFireMONITORBuiltonMONITORFransGONTRORButtonGONTRORButtonGONTRORButtonGONTRORButtonGONTROR	Temperature Duct	MONITOR
TemperatureMONITORKitchen RTU DischargeMONITORTemperatureMONITORSpeedMONITORAmperageMONITORFanMONITORFanMONITORFaultsMONITORFaultsMONITORFaultsMONITORFaultsMONITORFaultsMONITORFaultsMONITORFaultsMONITORFaultsMONITORFutureMONITORFutureMONITORFutureMONITORFreeMONITORFreeMONITORFuture <td< th=""><th>Temperature(s) MUA Discharge</th><th>MONITOR</th></td<>	Temperature(s) MUA Discharge	MONITOR
TemperatureMONITORSpeedMONITORAmperageMONITORFanMONITORPowerMONITOREaultsMONITORFanMONITORFanMONITORFanMONITORFanMONITORFanMONITORFanMONITORFanMONITORFanMONITORFanMONITORFanMONITORFanMONITORFanMONITORFanMONITORFansMONITORFireMONITORFireMONITORFrepsilienMONITORBuildingMONITORFressilienMONITORFressilienMONITORBuiltonGONTROK &BuiltonGONTROK &BuiltonGONTROK &BuiltonGONTROK &	Temperature Kitchen RTU Discharge	MONITOR
Speed FanMONITORAmperage FanMONITORPower VolterMONITORPower VolterMONITORFaults FanltsMONITORFaults FanltsMONITORFaults FanltsMONITORFaults FanltsMONITORPaults FanltsMONITORStatus Percentages FireMONITORBuilding Pressures 	Temperature Fan	MONITOR
AmperageMONITORFanMONITORPowerMONITOREaultsMONITOREaultsMONITORFanMONITORFanultsMONITORStatusMONITORStatusMONITORPercentagesMONITORPercentagesMONITORSwittingMONITORBuiltaingMONITORPressuresMONITORPressuresMONITORBuiltonGONTRORBuiltonGONTROR &BuiltonGONTROR &BuiltonGONTROR &BuiltonGONTROR &BuiltonGONTROR &	Speed Fan	MONITOR
ProverMONITORFaultsMONITORFaultsMONITORFaultsMONITORFaultsMONITORStatusMONITORStatusMONITORPercentagesMONITORFireMONITORSustaingMONITORBuitaingMONITORBressureseMONITORButtonCONTROR &ButtonCONTROR &ButtonCONTROR &ButtonCONTROR &ButtonCONTROR &	Amperage Fan	MONITOR
EaultsMONITORFaultsMONITORFaultsMONITORFaultsMONITORStatusMONITORStatusMONITORPaultFilter ClogMONITORPercentagesMONITORFrieMONITORSystemMONITORBuildingMONITORPressuresMONITORPressuresMONITORButtonCANTROR &ButtonCANTROR &ButtonCANTROR &ButtonCANTROR &ButtonCANTROR &ButtonCANTROR &ButtonCANTROR &ButtonCONTROL	Pouer	MONITOR
FaultsMONITORFan.MONITORFaultsMONITORStatusMONITORStatusMONITORFerencentagesMONITORFireMONITOREventagesMONITORSystemMONITORBuitaingMONITORButtonCONTROLFansCONTROLButtonCONTROL	Faults Controller	MONITOR
FaultsMONITORStatusMONITORStatusMONITORSouth Filter ClogMONITORPercentagesMONITORFreeMONITORSystemMONITORBuildingMONITORPressuresMONITORPressuresMONITORButtonCANTROR &ButtonCANTROR &ButtonCANTROR &ButtonCANTROR &ButtonCANTROR &ButtonCANTROR &ButtonCANTROR &ButtonCONTROL	Faults Fan	MONITOR
StatusMONITORFault Filter ClogMONITORPercentagesMONITORFireMONITOREvertimeMONITORBuildingMONITORBrepsuresMONITORButtonCONTROL &FansCONTROL &ButtonCONTROL &ButtonCONTROL &ButtonCONTROL &	Faults Fan	MONITOR
Fault Filter ClogMONITORPercentagesMONITORFireMONITOREverationMONITORBuildingMONITORPreputineMONITORButtonCONTROR &ButtonCONTROR &ButtonCONTROR &ButtonCONTROR &ButtonCONTROR &ButtonCONTROR &ButtonCONTROR &	Ştatus	MONITOR
PercentagesMONITORFireMONITOREventingMONITORBuildingMONITORBrepsuresMONITORButtonMONITOR &FansMONITOR &ButtonMONITOR &	FeultFilter Clog	MONITOR
CORditionMONITORSystemMONITORBuiltingMONITORBressuresMONITORButtonCONTROL &FansCONTROL &ButtonCONTROL &ButtonCONTROL &ButtonCONTROL &ButtonCONTROL &ButtonCONTROL &	Percentages Fire	MONITOR
System BuildingMONITORBressures Frepution FansMONITOR &Button FansMONITROR &Button Button WashMONITROR &Button WashMONITROR &Button WashMONITROR &	Conditione	MONITOR
BressuresMONITOR &ButtonCONTROL &FansMONTROL &ButtonCONTROL &ButtonCONTROL &WashMONTROL &ButtonCONTROL &	System Building	MONITOR
Button FansCONTROL &Button WashCONTROLButtonCONTROL	Pressures Prep Time	₩8₩478₽ &
EutronGONTROL &ButtonGONTROL &WashMONTROL &ButtonCONTROL	Button Fans	GONTROK &
Button CONTROL & Wash MONTROL & Button CONTROL	Eiittes	GONTROK &
Button CONTROL	Button Wash	GONTROK &
	Button	CONTROL

Packages Room	Function
Temperature(s) Duct	MONITOR
Temperature(s) MUA DIscharge	MONITOR
Temperature Kitchen RTU Discharge	MONITOR
Temperature Controller	MONITOR
Faults Fan	MONITOR
Faults	MONITOR
Status PCI	MONITOR
Peultfilter Clog	MONITOR
Percentages Fire	MONITOR
Condition	MONITOR
System Building	MONITOR
Pressures Fans	MONITOR &
Button(s) Lights	CONTROL &
Button(s) Wash	CONTROL &
Button	CONTROL

ſ	JOR NO		_			
	28	7022	1		JOB NA	ME
1						
2	BREA	KER PA Resp R SIZE SH	NEL TO ponsibility: IOWN IS T	CON Electr HE M/	TROL PA ician XIMUM A	ANE
4	BREAKER PANE	L			C	ONTF
	BREAKER 1PH			_	Neutral	
5	15 A	CONTRO TO SHU	DL POWEI	R. DO BREAK	NOT WIR ER.	E Q
6		1ST HOOD POWER. SV	LIGHT BREAK VITCH #1	(ER SHAI	RED W/ CONT	ROL
7	BREAKER 3PH			_	LINE	
	208 V			_	LINE	
8	MOCP: 20 A			SM-1	Ground	<u> </u>
9				_	LINE	
ľ	BREAKER 3PH			_	LINE	
10	MCA: 10.4 A MOCP: 20 A	BACK	FX 9		Ground	
11		WIRE TO V	/FD QUICK (CONNEC	TOR	
				_	LINE	
12	208 V			_	LINE	— <u>C</u>
	MCA: 19.8 A			_	Ground	—ā
13	MOCF. 30 A	MUA WIRE TO V	/FD QUICK (SM-3	TOR	
14					l	
15			COL PAN	IEL TO Electr	D FANS ician	
<u> </u>	CONTROL P	ANEL			ſ	F
16			LOAD LEG 1	~	FAN: 01	FF
17	SM-1 WIRE TO		LOAD LEG 2 LOAD LEG 3 GROUND			
10	CONNECTOR			Y		W
18			MUST HAVE	ARE CO	N CONDUIT NDUIT! FAN: 02	DISC
19	Load Wiring SM-2	U2 V2 W2	LOAD LEG 1 LOAD LEG 2 LOAD LEG 3	\bigcap		
20	VFD QUICK CONNECTOR					W
21		ļ	DO NOT SHA	ARE CO	NDUIT!	DISC
22						
23						
24						





System Design Verification (SDV)

If ordered, CAS Service will perform a System Design Verification (SDV) once all equipment has had a complete start up per the Operation and Installation Manual. Typically, the SDV will be performed after all inspections are complete.

Any field related discrepancies that are discovered during the SDV will be brought to the attention of the general contractor and corresponding trades on site. These issues will be documented and forwarded to the appropriate sales office. If CAS Service has to resolve a discrepancy that is a field issue, the general contractor will be notified and billed for the work. Should a return trip be required due to any field related discrepancy that cannot be resolved during the SDV, there will be additional trip charges.

During the SDV, CAS Service will address any discrepancy that is the fault of the manufacturer. Should a return trip be required, the general contractor and appropriate sales office will be notified. There will be no additional charges for manufacturer discrepancies.

MODEL NUMBER DCV-2111 JOB NAME Hall Elementary School - Port		DRAWN BY DATE 12/22/2016	SCHEMATIC TYPE INSTALL DWG NO ECP #1-2	DESCRIPTION OF OPERATION: Demand Control Ventilation, w/ control for 2 Exhaust Fans, 1 Supply Fan, Exhaust on in Fire, Lights out in Fire, Fans modulate based on duct temperature. INVER DUTY THREE PHASE MOTOR REQUIRED! Room temperature sensor shipped loose for field installation. Verify distance between VFD and Motor; additional cost apply if distance exceeds 50 feet.
ERMINAL L TO FREC ERS MANU	- TO BMS STRIP OUENCY. JAL. UGH BMS FANS AND			

Portland School Elementary Hall

-

