

Versatronik®-C Panel Checklist
Option Selection for Control Panel Quotes



Checklist



C US LR 102874

General Information

Customer name	
Phone number	
Fax number	
Email	
Sales representative	
Project name	
Project location	
Date	
Required delivery date	
Extra Info	
Are there any size restrictions on the control panel?	
Are there any colour requirements for the control panel?	
Is the panel controlling process heating applications?	
Is the panel controlling space heating applications?	
Is the panel to incorporate outdoor reset functions?	
Are there priority control requirements for any heating circuit?	
Are there automatic warm weather shutdown requirements for any heating circuit? (please specify)	
What power is available in the boiler room? (specify phases, voltage and amps)	

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Boiler/ Burner

Is the panel to include boiler control interface? If NO, continue to Section 3.

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	Yes/ No/ Please specify:			
Boiler model specified				
Quantity of boilers to be controlled				
Boiler controls selected (*1)				
Automatic boiler rotation required				
Other requirements (please specify)				
Does the panel supply power to the boiler/ burner?				
Burner power supply voltage				
Are the boilers to be equipped with motorized isolation valves?	Isolation valve actuator voltage:			
	24VAC	120VAC	Other:	
Are the boilers to be equipped with fresh air devices?	Common for all boilers?		Individual	

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Pumps

Is the panel to include power/ control to pumps? If NO, continue to Section 4.

NOTE: If pump information is not supplied at the time of quotation, it will be required prior to panel manufacturing.

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Please enter specific quantities in the space provided NOTE: dual head pumps count as two	1 Phase 120V; <3A	1 Phase 120V/240V; <7A	3 Phase 208V; <20A	3 Phase 460V; <20A	3 Phase 600V; <20A	Variable Speed. 3 Phase 1HP	Variable Speed 3 Phase 5HP	Variable Speed 3 Phase 20HP	Other: pls specify phases, volt., amp.
Individual boiler pump									
Individual boiler shunt pump									
Common boiler/ supply pump									
Common shunt pump									
DHW pump (tank loading)									
DHW recirc. pump									
Space heating pump (high temperature, no mixing valve)									
Space heating pump, mixing valve circuit									
Space heating zone pump									
Snow melt pump, heat exchanger primary									
Snow melting pump, slab supply									
Pool pump, heat exchanger primary									
Pool pump, heat exchanger secondary									
Spa/ hot tub pump, heat exch. Primary									
Spa/ hot tub pump, heat exch. secondary									
Solar pump									
Solar recirc. pump									
Chiller pump									
Other (please specify):									

Pump Logic

**Is the panel to include special pump logic?
If NO, continue to Section 5.**

	Yes/ No/ Please specify circuit and logic:
Automatic pump rotation on time and failure	
Automatic pump staging	
Speed controlled by ΔP value?	
Speed controlled by ΔT value?	
Other (please specify):	

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Heat Pumps

Is the panel to incorporate any heat pump control functions? If NO, continue to Section 6.

	Yes/ No/ Please specify:		
Quantity of heat pump units to be controlled			
Make and model of heat pump units			
Does the panel supply power to the heat pump units?			
Power requirements			
Automatic staging required?			
Automatic rotation required?			
Is the circulation pump for the heat pump powered by the panel?		Please specify pump quantities and ratings in pumps section.	
Is the panel to control/ power heating/ cooling zone valves?	Valve actuator voltage:		
	Qty	24VAC	120VAC
Automatic heating/ cooling switch-over required?	Valve actuator voltage:		
	24VAC	120VAC	Other:
Other requirements (please specify):			

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Domestic Hot Water Heating

Is the panel to include DHW heating functions? If NO, continue to Section 7.

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	Yes/ No/ Please specify:
Quantity of independent DHW systems	
Post purge timer for DHW pump required?	
Timer for DHW disable required?	
DHW set-back timer required?	
DHW recirculation pump time required?	
Other (please specify):	

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Space Heating System: Mixing Valve Control

Is the panel to include space heating functions? If NO, continue to Section 7.1.

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	Please specify:			
Quantity of mixing valve circuits required				
Will mixing valve actuator(s) be:	24VAC floating signal	120VAC floating signal	0-10VDC proportional signal	Other please specify:
Does the panel power zone valve actuators? (Y/N)				
Quantity				
Voltage				
Watts each				
Thermostats (field supplied) connected to Panel (Y/N)				
Status indication required (Y/N)				
Does the panel power zone pumps? (Y/N)		Please specify pump quantities and ratings in pumps section.		

Section 7.1

Space Heating System: Zoning with Pumps or Zone Valves

Is the panel to include space heating functions with pumps or zone valves (high temp)? If NO, continue to Section 8.

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Does the panel power zone pumps? (Y/N)		Please specify pump quantities and ratings in pumps section.
Does the panel power zone valve actuators? (Y/N)		
Quantity		
Voltage		
Watts each		
Thermostats (field supplied) connected to panel (Y/N)		
Status indication required? (Y/N)		

Snow Melting

Is the Panel to include snow melting functions? If NO, continue to Section 9.

	Yes/ No/ Please specify:		
Will the snow melting circuit be controlled via motorized mixing valves?	Valve actuator voltage:		
	24VAC	120VAC	Other:
Quantity of snow melting zones with mixing valves	Please specify pump quantities and ratings in pumps section.		
Quantity of snow melting zones with pumps	Please specify pump quantities and ratings in pumps section.		
Zone priorities			
Other requirements (please specify):			
Quantity of snow/ ice detectors required			

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Pool/ Spa Heating

Is the panel to include pool/ spa heating functions? If NO, continue to Section 10.

	Yes/ No/ Please specify:		
Will the pool or spa heating circuit be controlled by pump?	Please specify pump quantities and ratings in pumps section.		
Will the pool or spa heating circuit be controlled by valve?	Valve actuator voltage:		
	24VAC	120VAC	Other:
Quantity of pool/ spa heating circuits?			

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Solar Heating

Is the panel to include solar heating functions? If NO, continue to Section 11.

	Yes/ No/ Please specify:			
Solar will heat:	DHW	Pool	Space	Other (please specify):
Quantity of solar heating systems				
Quantity of solar heating pumps		Please specify pump quantities and ratings in pumps section.		

Cooling

Is the panel to include any cooling control functions? If NO, continue to Section 12.

	Yes/ No/ Please specify:			
Quantity of chillers/ cooling units to be controlled				
Make and model of chillers/ cooling units				
Does the panel supply power to the chillers/ cooling units?				
Power requirements				
Automatic staging required?				
Automatic rotation required?				
Is the chiller/ cooling unit pump powered by the panel?		Please specify pump quantities and ratings in pumps section.		
Is the panel to control/ power cooling zone valves?	Valve actuator voltage:			
	Qty	24VAC	120VAC	
Automatic heating/ cooling switch-over required?	Valve actuator voltage:			
	24VAC	120VAC	Other:	
Chiller(s) controlled by:	Cooling demand signal	Outdoor temp. setpoint	Other:	
Other requirements (please specify):				

Alarms/ Status Indications

Is the panel to include any alarms/ status indication? (*2) If NO, continue to Section 13.

Note: The following alarms and statuses may or may not be available to your control panel.

Alarms: Please specify type.				Status: Please specify type.		
Visual	Contact output	Voltage output	Audible	Visual	Contact output	Voltage output

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External Input (Remote Control)

Is the panel to receive external control functions? (*3) If NO, continue to Section 14.

	Yes/ No/ Please specify circuit:			
	0-10V remote setpoint	Override	Disable	Change of Operating system
Individual boiler				
Boiler plant				
Individual heat pump				
All heat pumps				
Individual chiller				
All chillers				
DHW				
Space heating mixing valves				
Pool/ spa heating				
Snow melting				
Solar heating				
Others:				

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Communication

Is the panel to incorporate communication functions? If NO, continue to Section 15.

Local communication with BMS/ automation system:				
	Specify system and communication protocol:			
	Specify data points:			
Remote monitoring access:				
	Remote monitoring by owner?	Via local PC?	Via remote PC?	Via Telephone?
				Specify circuit:
	Remote monitoring by KWE?			
	Remote monitoring by third party?			
Other (please specify):				

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Section 15

Additional Options

	Please specify:
LCD touch screen with colour graphics:	
Other:	

Additional Information

Additional Information, comments and requirements:

Notes:

- (*1) Boiler controls not included in custom panel quote.
- (*2) Depending on equipment, some alarms and status indicators may not be available.
- (*3) Depending on equipment, some input functions may not be available.

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