

	ECB-103	ECB-203	ECB-253	ECB-300	ECB-350	ECB-400	ECB-403	ECB-410	ECB-413	ECB-450	ECB-453	ECB-600	ECB-610	ECB-650	ECx-400	ECx-410	ECx-420
General																	
Controller Status LED	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Interactive color operator interface			■		■						■	■		■			
Real-Time Clock				■	■	■	■	■	■	■	■	■	■	■			
DIN-Rail Mounting		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Inputs																	
Universal (Software Configurable)	4	6	6	10	10	12	12	12	12	12	12	16	16	16	12	12	12
0-20mA/4-20mA (external 249Ω Resistance)	■	■	■														
0-20mA/4-20mA (built-in 249Ω Resistance, Jumper Selectable)				■	■	■	■	■	■	■	■	■	■	■	■	■	■
50 Hz Pulse				■ ¹	■ ¹	■ ¹	■ ¹	■ ¹	■ ¹	■ ¹	■ ¹	■ ¹	■ ¹	■ ¹			
Analog/Digital Converter (Bits)	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
EC-Smart-Vue Capability	4	4	4	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Wireless inputs ²	18	24	24	28	28	28	28	28	28	28	28	28	28	28			
15VDC Power Supply	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Outputs																	
Universal (Analog)	2	3	3	8	8	12	4	12	4	12	4	12	12	12	12	12	0
Digital/Analog Converter (Bits)	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
0-20mA/4-20mA (Jumper Selectable)				■	■	■	■	■	■	■	■	■	■	■	■	■	■
Digital (Triac)	4	5	5				8		8		8						
Output LED Status Indicator		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
HOA Switch								■	■				■	■		■	
Power Input																	
24 VAC	■																
24 VAC/VDC		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Power Status LED Indicators	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Programming – Configuration																	
EC-gfxProgram	■	■	■	■	■	■	■	■	■	■	■	■	■	■			
Pre-Loaded Application																	

1. The first four inputs are software configurable for pulse counting; 50 Hz maximum frequency.
 2. All controllers are Open-to-Wireless™ ready. Available when an optional Wireless Receiver is connected to the controller. Some wireless sensors may use more than one wireless input from the controller.



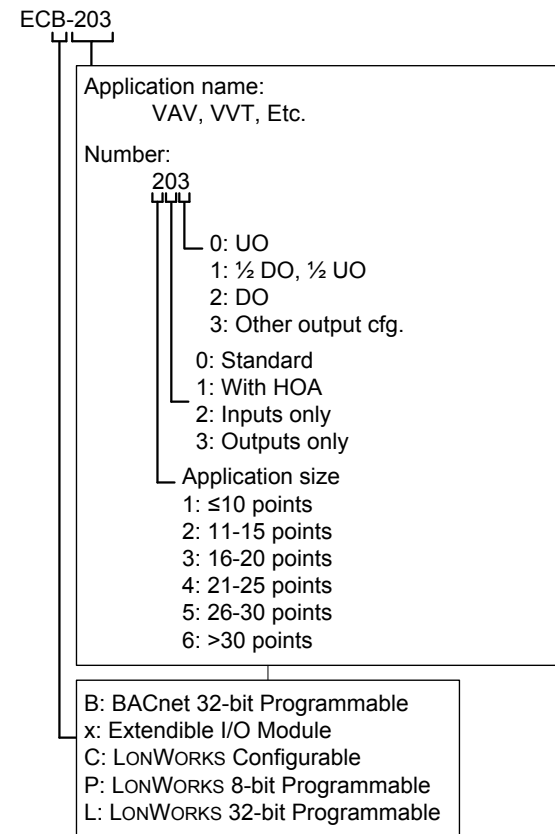
	ECB-103	ECB-203	ECB-253	ECB-300	ECB-350	ECB-400	ECB-403	ECB-410	ECB-413	ECB-450	ECB-453	ECB-600	ECB-610	ECB-650	ECx-400	ECx-410	ECx-420	
Communication																		
BTL Listing Profile	B-ASC	B-ASC	B-ASC	B-AAC	B-AAC	B-AAC	B-AAC	B-AAC	B-AAC	B-AAC	B-AAC	B-AAC	B-AAC	B-AAC				
BACnet MS/TP	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
MAC Addressing																		
- EC-Smart-View sensor	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
- Dip Switch		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
Rx LED Indicators	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
Tx LED Indicators	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
Objects																		
Calendar Objects	1	1	1	2	2	2	2	2	2	2	2	2	2	2				
Schedule Objects	2	2	2	10	10	10	10	10	10	10	10	10	10	10				
Loop (PID)	8	8	8	30	30	30	30	30	30	30	30	30	30	30				
BACnet Input Objects (AI, BI, MSI)	30	38	38	62 ²	62 ²	64 ²	64 ²	64 ²	64 ²	64 ²	64 ²	64 ²	68 ²	68 ²	68 ²	12 ^{4,5}	12 ^{4,5}	12 ^{4,5}
BACnet Output Objects (AO, BO)	6	8	8	8 ³	8 ³	12 ³	4 ³	12 ³	4 ³	12 ³	4 ³	12 ³	12 ³	12 ³	12 ³	12 ^{3,5}	12 ^{3,5}	
BACnet BV Objects																		
- Commandable ¹	10	10	10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
- Non-Commandable	40	40	40	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
BACnet MSV Objects																		
- Commandable ¹	10	10	10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
- Non-Commandable	40	40	40	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
BACnet AV Objects																		
- Commandable ¹	25	25	25	35	35	35	35	35	35	35	35	35	35	35	35	35	35	
- Non-Commandable	75	75	75	115	115	115	115	115	115	115	115	115	115	115	115	115	115	
BACnet Alarm Notification Classes				5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

1. Supports object internally-generated alarms (intrinsic reporting).
2. Supports object internally-generated alarms (intrinsic reporting). This consists of Hardware Inputs, Allure EC-Smart-View inputs, and Open-To-Wireless inputs.
3. Supports object internally-generated alarms (intrinsic reporting). This consists of Hardware Outputs.
4. Supports object internally-generated alarms (intrinsic reporting). This consists of Hardware Inputs.
5. Objects are in the connected ECB-600, ECB-610, or ECB-650 controller (master).



Recommended Applications	ECB-103	ECB-203	ECB-253	ECB-300	ECB-350	ECB-400	ECB-403	ECB-410	ECB-413	ECB-450	ECB-453	ECB-600	ECB-610	ECB-650	ECx-400	ECx-410	ECx-420
2 pipe Fan Coil	■	■	■														
2 pipe Fan Coil with Changeover Sensor	■	■	■														
4 pipe Fan Coil	■	■	■														
Chilled Ceiling	■	■	■														
Heat Pump	■	■	■														
Unit Ventilator	■	■	■														
Small Roof Top		■	■														
Medium Roof Top							■		■			■					
Large Roof Top							■		■			■					
Small Air Handling Unit		■	■	■	■												
Medium Air Handling Unit				■	■	■	■	■	■	■	■	■	■	■			
Large Air Handling Unit				■	■	■	■	■	■	■	■	■	■	■			
Multi-Zones Application				■	■	■		■		■		■	■	■			
Chillers				■	■	■	■	■	■	■	■	■	■	■			
Boiler				■	■	■	■	■	■	■	■	■	■	■			
Cooling Tower				■	■	■	■	■	■	■	■	■	■	■			
Central Plant												■	■	■	■	■	■

Controller Naming Conventions:



Total Quality Commitment

All Distech Controls product lines are built to meet rigorous quality standards. Distech Controls is an ISO 9001 registered company.

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