Delta System Controller Hardware

Technical Summary

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	DCU(V3.2x)	BACnet Router	16 x 16 Controller	12 x 12 Controller	12 x 8 Controller	11 x 10 Controller (Binary)	11 x 8 Controller (Analog)	Room Controller	Access Controller
Product Number(s)									
	DSM-050 DSC-1616EX	DSM-RTR	DSC-1616 DSC-1616H DSC-1616E	DSC-1212 DSC-1212H DSC-1212E	DSC-1280 DSC-1280H DSC-1280E	DSC-1146	DSC-1180	DSM-T0B DSC-T305	ASM-24E
BACnet Capabilities									
Device Profile	B-BC	B-BC	B-BC	B-BC	B-BC	B-AAC	B-AAC	B-AAC	B-BC
Technology									
CPU Chip	32 bit	32 bit	32 bit	32 bit	32 bit	32 bit	32 bit	32 bit	32 bit
Battery/Super Cap	Yes (NiCad)	Yes (Lithium)	Yes (Lithium)	Yes (Lithium)	Yes (Lithium)	Yes (Super-Cap)	Yes (Super-Cap)	Yes (Lithium)	Yes (Lithium)
Real Time Clock	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Addressing	DIP or Software	DIP or Software	DIP or Software	DIP or Software	DIP or Software	DIP or Software	DIP or Software	Keypad or Software	DIP or Software
DNA Setting	DIP	Jumper	Jumper	Jumper	Jumper	Jumper	Jumper	Keypad	Jumper
Device Type Setting	DIP (Area or System)	Jumper (Area or System)	Jumper (Area, System or Subnet)	Jumper (Area, System or Subnet)	Jumper (Area, System or Subnet)	Jumper (System or Subnet)	Jumper (System or Subnet)	Keypad (System or Subnet)	Jumper (Area or System)
Networks & Ports									
Ethernet (10MB)	Yes (DXC-052-5)	Yes	Optional	Optional	Optional	No	No	No	Yes
RS-485 Net (up to 76.8 Kbps)	No	BACnet MS/TP	BACnet MS/TP	BACnet MS/TP	BACnet MS/TP	BACnet MS/TP	BACnet MS/TP	BACnet MS/TP	BACnet MS/TP
RS-485 Subnet (up to 76.8 Kbps)	BACnet MS/TP Only	BACnet MS/TP Only	BACnet MS/TP or LINKnet	BACnet MS/TP or LINKnet	BACnet MS/TP or LINKnet	BACnet MS/TP or LINKnet	BACnet MS/TP or LINKnet	BACnet MS/TP or LINKnet	BACnet MS/TP or LINKnet
RJ-11 Service Port	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RS-232 COM Port(s)	2 - PC or Modem	1 - PC or Modem	1 - PC or Modem	1 - PC or Modem	1 - PC or Modem	1 - PC or Modem	1 - PC or Modem	1 - PC or Modem	1 - PC or Modem
Inputs & Outputs	Base (DBB-060)								
Input A/D Resolution	12 bit		10 bit	10 bit	10 bit	10 bit	10 bit	10 bit	N/A
Thermistor Input (Internal)	-	-	-	-	-	-	-	1 10kΩ Thermistor	-
Input Points (Base)	16 Universal	-	16 Universal	12 Universal	12 Universal	11 Universal	11 Universal	Optional (3 Universal)	-
Input Types (for Universal Inputs)	0-5v 0-10v 4-20mA 10kΩ / Dry Contact Custom	N/A	0-5v 0-10v 4-20mA 10kΩ / Dry Contact	0-5v 0-10v 4-20mA 10kΩ / Dry Contact	0-5v 0-10v 4-20mA 10kΩ / Dry Contact	0-5v 0-10v 4-20mA 10kΩ / Dry Contact	0-5v 0-10v 4-20mA 10kΩ / Dry Contact	0-5v 0-10v 10kΩ / Dry Contact	N/A
Pulse Inputs	1 @ 100 Hz	-	-	-	-	-	-	-	-
Output Points (Base)	16 Universal	-	16 Universal	12 Universal	8 Universal	4 Univ. / 6 binary	8 Universal	Optional (5 Binary)	-
Output Signal	0-10v	N/A	0-10v	0-10v	0-10v	0-10v / triac	0-10v	FET	N/A
HOA Switches (with FB)	Via Modules	N/A	Optional (H)	Optional (H)	Optional (H)	No	No	No	N/A
Expansion (I/O)	Up to 3 Expansion Boards	N/A	Up to 12 LINKnet Devices**	Up to 12 LINKnet Devices**	Up to 12 LINKnet Devices**	Up to 10 LINKnet Devices**	Up to 8 LINKnet Devices**	Up to 4 LINKnet Devices**	Up to 12 LINKnet Door Modules
Expansion Points	Up to 96	N/A	via 2 x DFM	via 2 x DFM	via 2 x DFM	via 2 x DFM	via 2 x DFM	via 2 x DFM	via 12 x ADM
General									
Wiring	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2
Power	24 VAC @ 15VA or, 75VA with DBB-060	24 VAC @ 8 VA (max)	24 VAC @ 30VA (max)	24 VAC @ 25VA (max)	24 VAC @ 25VA (max)	24 VAC @ 86VA (max)	24 VAC @ 20VA (max)	24 VAC @ 65VA(max)	24 VAC @ 8 VA (max)
Operating Conditions	0-55°C or 32°-131°F 10-90% RH	0-55°C or 32°-131°F 10-90% RH	0-55°C or 32°-131°F 10-90% RH	0-55°C or 32°-131°F 10-90% RH	0-55°C or 32°-131°F 10-90% RH	0-55°C or 32°-131°F 10-90% RH	0-55°C or 32°-131°F 10-90% RH	0-55°C or 32°-131°F 10-90% RH	0-55°C or 32°-131°F 10-90% RH
Board Size (L x W x H)	8 ⅜ x 6 ¾ x 2 ½ in. (DCU) 11 ¾ x 11 x 2 ½ in. (DBB-060)	5 ¾ x 8 ¼ x 2 ¼ in. with Housing	12 x 8 ⅛ x 2 ½ in. with Housing	10 ⅜ x 8 ⅛ x 2 ½ in. with Housing	10 ⅝ x 8 ¼ x 2 ½ in. with Housing	10 ⅜ x 4 x 1 ⅞ in. with Housing	10 ⅜ x 4 x 1 ⅞ in. with Housing	5 ¾ x 4 ¼ x 1 ¼in. with Housing	5 ¾ x 8 ¼ x 2 ¼ in. with Housing
Housing Included	Extra (Metal)	Yes (Plastic)	Yes (Plastic)	Yes (Plastic)	Yes (Plastic)	Yes (Plastic)	Yes (Plastic)	Yes (Plastic)	Yes (Plastic)
Other Options								Backlighting (B) Mult. Keypad Options	

** With no more than 2 DFM/DNT devices.

Contact Information

For additional information on any of our products or services, please contact us at 604.574.9444 or visit our website www.deltacontrols.com

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