

# Delta Application Controller Hardware

## Technical Summary

Do it right.



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	11 x 10 Controller (Binary)	11 x 8 Controller (Analog)	6 x 6 Controller (Binary)	6 x 6 Controller (Analog)	3 x 4 Controller (Binary)	3 x 4 Controller (Analog)	16 x 0 Controller	Room Controller	VAV Controller (Binary)	VAV Controller (Analog)	Lighting Controller (GE)	Lighting Controller (Douglas)	
Product Number(s)	DAC-1146	DAC-1180	DAC-606	DAC-633	DAC-304	DAC-322	DAC-1600	DAC-T305 DNT-T305	DVC-V304 DVC-V304A	DVC-V322 DVC-V322A	DLC+G1212	DLC+D312 DLC+D624 DLC+D936	
BACnet Capabilities													
Device Profile	B-AAC	B-AAC	B-AAC	B-AAC	B-AAC	B-AAC	B-AAC	B-AAC	B-AAC	B-AAC	B-AAC	B-AAC	
Technology													
CPU Chip	32 bit	32 bit	32 bit	32 bit	32 bit	32 bit	32 bit	32 bit	32 bit	32 bit	32 bit	32 bit	
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	DIP or Software	DIP or Software	DIP or Software	
DNA Setting	Jumper	Jumper	Jumper	Jumper	Jumper	Jumper	Jumper	Keypad	Jumper	Jumper	Jumper	Jumper	
Device Type Setting	Subnet only	Subnet only	Subnet only	Subnet only	Subnet only	Subnet only	Subnet only	Subnet only	Subnet only	Subnet only	Subnet only	Subnet only	
Networks & Ports													
RS-485 Net (up to 76.8 Kbps)	BACnet MS/TP	BACnet MS/TP	BACnet MS/TP	BACnet MS/TP	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)	LINKnet only	LINKnet only	LINKnet only	LINKnet only	LINKnet only	LINKnet only	LINKnet only	LINKnet only	LINKnet only	LINKnet only	LINKnet only	LINKnet only	
RJ-11 Service Port	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Inputs & Outputs													
Input A/D Resolution	10 bit	10 bit	10 bit	10 bit	10 bit	10 bit	10 bit	10 bit	10 bit	10 bit	10 bit	10 bit	
Thermistor Input (Internal)	-	-	-	-	-	-	-	1 10kΩ Thermistor	-	-	-	-	
Input Points (Base)	11 Universal	11 Universal	6 Universal	6 Universal	3 Universal	3 Universal	16 Universal	3 Universal	2 Universal 1 10kΩ / Dry Contact	2 Universal 1 10kΩ / Dry Contact	12 Binary 12 Low V Switches	1 Universal 3,6, or 9 Binary	
Input Types (for Universal Inputs)	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 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 0-10v 10kΩ / Dry Contact	0-5v 0-10v 4-20mA 10kΩ / Dry Contact	0-5v 0-10v 4-20mA 10kΩ / Dry Contact	N/A	0-5v 0-10v 4-20mA 10kΩ / Dry Contact
Flow Input (Internal)	-	-	-	-	-	-	-	-	0-1" WC	0-1" WC	-	-	
Actuator Feedback (Internal)	-	-	-	-	-	-	-	-	Optional (AF)	Optional (AF)	-	-	
Sweeper Input Port	-	-	-	-	-	-	-	-	-	-	1	1	
Sweeper Output Port	-	-	-	-	-	-	-	-	-	-	1	1	
Output Points (Base)	4 Universal / 6 Binary	8 Universal	6 Binary	3 Universal / 3 Binary	4 Binary	2 Universal / 2 Binary	-	5 Binary	4 Binary	2 Universal / 2 Binary	12 Relays	12, 24, or 36 Relays	
Output Signal	0-10v / triac	0-10v	triac	0-10v / triac	triac	0-10v / triac	N/A	FET	triac	0-10v / triac	GE relay	Douglas Relay	
Actuator Control (Internal)	-	-	-	-	-	-	-	-	Optional (A)	Optional (A)	-	-	
Expansion (I/O)	Up to 10 LINKnet Devices**	Up to 8 LINKnet Devices**	Up to 4 LINKnet Devices**	Up to 4 LINKnet Devices**	Up to 4 LINKnet Devices**	Up to 4 LINKnet Devices**	Up to 4 LINKnet Devices**	Up to 4 LINKnet Devices**	Up to 4 LINKnet Devices**	Up to 4 LINKnet Devices**	Up to 12 LINKnet BACstats (DNS)	Up to 12 LINKnet BACstats (DNS)	
Expansion Points	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 2 x DFM	via 2 x DFM	via 2 x DFM	via 2 x DFM	via DNS only	via DNS only	
General													
Wiring	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2	
Power	24 VAC @ 86 VA (max)	24 VAC @ 20 VA (max.)	24 VAC @ 80 VA (max)	24 VAC @ 48 VA (max)	24 VAC @ 54 VA (max)	24 VAC @ 34 VA (max)	24 VAC @ 8 VA (max)	24 VAC @ 65 VA (max)	24 VAC @ 56 VA (max)	24 VAC @ 34 VA (max)	24 VAC @ 50 VA (max)	24 VAC @ 50 VA (max)	
Operating Conditions	0-55°C or 32°F-131°F 10-90% RH	0-55°C or 32°F-131°F 10-90% RH	0-55°C or 32°F-131°F 10-90% RH	0-55°C or 32°F-131°F 10-90% RH	0-55°C or 32°F-131°F 10-90% RH	0-55°C or 32°F-131°F 10-90% RH	0-55°C or 32°F-131°F 10-90% RH	0-55°C or 32°F-131°F 10-90% RH	0-55°C or 32°F-131°F 10-90% RH	0-55°C or 32°F-131°F 10-90% RH	0-55°C or 32°F-131°F 10-90% RH	0-55°C or 32°F-131°F 10-90% RH	
Board Size (L x W x H)	10 3/4 x 4 x 1 1/2 in.	10 3/4 x 4 x 1 1/2 in.	8 3/4 x 4 x 1 1/2 in.	8 3/4 x 4 x 1 1/2 in.	7 3/4 x 4 x 1 1/2 in.	7 3/4 x 4 x 1 1/2 in.	7 3/4 x 5 3/4 x 2 1/2 in.	5 3/4 x 4 3/4 x 1 1/2 in.	9 3/4 x 4 3/4 x 3 3/4 in.	9 3/4 x 4 3/4 x 3 3/4 in.	11 3/4 x 4 x 1 1/2 in.	11 x 4 x 1 1/2 in.	
Housing Included (Plastic)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Other Options								Backlighting Keypad Configuration	Belimo Actuator Dual Duct Termination Board	Belimo Actuator Dual Duct Termination Board	Supported relays RR7x, RR8x, RR9x	Supported relays Douglas WRxxx series	

\*\*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](http://www.deltacontrols.com)