

DE – This control option is designed for projects that require digital VAV controls (DDC) to be **mounted in the field**. Included with this option is a DDC control enclosure, Carnes standard inlet sensor and a bare 3/8” damper shaft.

DO – The “DO” control option is specifically designed for projects that require digital VAV controls (DDC) to be **factory mounted by Carnes**. This option includes mounting and wiring of the DDC controls which are **provided by others**. Typically, Carnes will mount and wire a digital controller, damper actuator and transformer only. Any controls provided by Carnes will require the appropriate price add. A DDC control enclosure and a Carnes standard inlet sensor are included with this control option.

MA – This control option is best suited for applications requiring a pressure reducing station within the system. The “MA” control option can also be used in a pressure relief system by using By-pass air terminals. The damper can be locked in one position using the manual quadrant for constant volume applications. This option includes a standard inlet sensor and a calibration chart for measuring air flow.

NS – The “NS” control option is typically used for pneumatic controls provided by others and **installed in the field**. In some cases this option may be used for electric or electronic field mounted controls that do not require a control enclosure. This option includes a standard inlet sensor, bare 3/8” damper shaft and a 24VAC fan relay for fan powered terminal units.

MISCELLANEOUS CONTROL OPTIONS

Ctrl Opt	Control Option Description	Single Duct Units					Dual Duct ADC	Retrofit	Fan Units	
		AVC	AVW	AVE	ABB	ABW		ARR	AS	AC
DE	MICROPROCESSOR (DDC) CONTROLS PROVIDED BY OTHERS AND MOUNTED AND WIRED IN THE FIELD	X	X	X	X	X	X	X	X	X
DO	MICROPROCESSOR (DDC) CONTROLS PROVIDED BY OTHERS, FACTORY MOUNTED AND WIRED BY CARNES. (VENDOR CHECKLIST REQUIRED)	X	X	X	X	X	X	X	X	X
MA	MANUAL DAMPER ADJUSTMENT WITH LOCKING QUADRANT BY CARNES	X	X	X	X	X		X		
NS	NO DAMPER CONTROLS - INCLUDES CARNES INLET SENSOR & BARE 3/8” O.D. DAMPER SHAFT EXTENDING FROM UNIT. SUITABLE FOR FIELD MOUNTING OF PNEUMATIC CONTROLS	X	X	X	X	X	X			