

ControlWave GFC Plus FLOW COMPUTER

USING THE "EXPRESS" PLATFORM

CWM-GFC-T4P

(PC 836)

MODEL & SEG	SPEC SHEET	DESCRIPTION	APPROVAL	SELECT
A B C		Integral Sensor Assembly - Either Gauge Pressure or DP/P		A B C
10		No Integral Sensor Assembly	UL	000
		Gauge Pressure Sensor URL (inches H₂O or psi gauge)		
		300" H ₂ O	UL	014
		25 psi	UL	020
		100 psi	UL	022
		300 psi	UL	023
		1000 psi	UL	025
		2000 psi	UL	028
		DP/P Sensors - DP URL (inches H₂O or psig differential) / Static Pressure URL (psig) (Note 1)		
		150" H ₂ O / 1000 psi	UL	121
		150" H ₂ O / 2000 psi	UL	122
		300" H ₂ O / 1000 psi	UL	141
		300" H ₂ O / 2000 psi	UL	142
		300" H ₂ O / 4000 psi	UL	144
	25 PSID / 2000 psi	UL	202	
	25 PSID / 4000 psi	UL	204	
D		DP/P Flange Orientation - Location of static pressure sensor (Note 2)		D
20		Not Applicable - Enter "0" here if a gauge pressure sensor or no sensor is used.	UL	0
		Upstream on the Left (Standard)	UL	1
		Upstream on the Right	UL	2
E		Integral Enclosure and LCD/Keypad		E
30		12" x 14" Fiberglass with 2 button Keypad	UL	1
		12" x 14" Fiberglass with 25 button Keypad	UL	2
F		Processor/Main Electronics Board Selection		F
40		14 Mhz, 5-18 Vdc, with Wet End interface	UL	3
		33 Mhz with Wet End interface and Ethernet	UL	4
Model Number: CWM-GFC-T4P - A B C - D E F - G H J - K L M - N O P - Q R S I				
Note 1: The standard program does not necessarily require the integral sensor assembly. It allows the user to select the integral sensor assembly or an external transmitter.				
Note 2: Please make sure a DP/P sensor is specified in ABC' above.				

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MODEL & SEG	SPEC SHEET	DESCRIPTION	APPROVAL	SELECT
G		Application Program		G
50		None	UL	0
		Base 2 Run Measurement Application	UL	1
		TeleFlow Emulator	UL	3
H		Power System (Note 1)		H
60		None - External Power Source is Necessary	UL	0
		Above but with internal, 7.2 Vdc, 35 AH Lithium Battery as a Back-up Power Source	N/A	4
		12 V, 33 AH Lead Acid Cell Battery, 30 W Solar Panel Not UL Approved, J must = 0	N/A	1
		Above with internal, 7.2 Vdc, 35 AH Lithium Battery as a Back-up Power Source	N/A	5
		12 V, 33 AH Lead Acid Cell Battery, 40 W Solar Panel Not UL Approved, J must = 0	N/A	2
		Above with internal, 7.2 Vdc, 35 AH Lithium Battery as a Back-up Power Source	N/A	6
		12 V, 33 AH Lead Acid Cell Battery only Selections H=3 and 7 are UL approved.	UL	3
		Above with internal, 7.2 Vdc, 35 AH Lithium Battery as a Back-up Power Source	N/A	7
		FM approved solar panels to match above selection, H=3 are as follows:		
		Specify part number 396698-01-8 for 30W panel	UL	
		Specify part number 396698-02-6 for 40W panel	UL	
J		Hazardous Area Certification		J
70		Class I, Division 2 Non-incendive (UL/CUL - NI)	UL	1
K		Bendable RTD (Note 2)		K
80		None	UL	0
		With RTD, 6 Foot Cable Length	UL	1
		With RTD, 15 Foot Cable Length	UL	2
		With RTD, 25 Foot Cable Length	UL	3
Model Number: CWM-GFC-T4P - A B C - D E F - G H J - K L M - N O P - Q R S T				
Note 1: Lithium Battery requires Power Distribution Board, Selection O=1.				
Note 2: For the temperature input, the standard application allows the user to select this RTD or an external transmitter.				

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MODEL & SEG	SPEC SHEET	DESCRIPTION	APPROVAL	SELECT
L		Thermowell Options for RTD		L
90		None	UL	0
		With Thermowell, 2 1/2" Insertion Length	UL	1
		With Thermowell, 4 1/2" Insertion Length	UL	2
		With Thermowell, 7 1/2" Insertion Length	UL	3
M		24 V dc/dc Loop Power Supply -- On Snap Track (Note 1 & 2)		M
100		None	UL	0
		With 24 V dc/dc Power Supply (not C1, D2 Approved)	UL	1
		With 21 V dc/dc Power Supply (C1, D2 Approved)	UL	2
N		I/O Configuration (Note 3)		N
110		Base 2 DI / PI (Pulse Input) Only - No I/O Card is Included	UL	0
		Base + 2DI/DO, 4DI, 2DO, 2HSC	UL	4
		Above + 3 AI	UL	5
		Full I/O: Above + 1 AO	UL	6
O		Power Distribution Board -- On Snap Track		O
130		None	UL	0
		With Power Distribution Board (Note 4)	UL	1
P		Relay Board -- On Snap Track (Note 5)		P
140		None	UL	0
		With One Relay Board	UL	1
		With Two Relay Boards	UL	2
Q		Radio Cable/Mounting Hardware and Polyphaser Option (Note 6)		Q
160		No Radio, No Radio Ready	UL	0
		Without Polyphaser	UL	1
		With Polyphaser	UL	2
Model Number: CWM-GFC-T4P - <u>A</u> <u>B</u> <u>C</u> - <u>D</u> <u>E</u> <u>F</u> - <u>G</u> <u>H</u> <u>J</u> - <u>K</u> <u>L</u> <u>M</u> - <u>N</u> <u>O</u> <u>P</u> - <u>Q</u> <u>R</u> <u>S</u> <u>T</u> Note 1: Required for 4 - 20 mA loop power or for transmitters that require > 12 Vdc. Note 2: Both Power Supplies requires Power Distribution Board, Segment 130. Note 3: Works with any I/O configuration; I/O is not necessarily required. Note 4: Required for 24V Power Supply, Relay Board, Radio or Lithium Battery Backup. Note 5: Requires Power Distribution Board, O above. Note 6: Be sure to specify a "1" or "2" here if a radio is selected in 'RST' below!				

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MODEL & SEG	SPEC SHEET	DESCRIPTION	APPROVAL	SELECT
R S T		Radio or Modem Option - Located on Universal Mounting Bracket		R S T
170		None	UL	000
		Dial-line Modem (Cermetek)	UL	001
		Standard FreeWave Radio (Note 1)	UL	103
		Standard FreeWave Radio Ready (Note 1)	UL	104
		Standard MDS Transnet Radio (Note 2)	UL	201
		Standard Transnet Radio Ready (Note 2)	UL	202
		Standard MDS 9810 Radio with Diag	UL	301
		Standard MDS 4710A Radio with Diag	UL	310
		Standard MDS 4710B Radio with Diag	UL	311
		Standard MDS 9710A Radio with Diag	UL	320
		Standard MDS 9710B Radio with Diag	UL	321
		Standard MDS 4710 A/B, 9710 A/B, 9810 Radio Ready	UL	322
		Standard MDS EntraNet Radio Ready	UL	404
		Standard MDS iNet 900 Radio Ready	UL	423
Model Number: CWM-GFC-T4P - <u>A</u> <u>B</u> <u>C</u> - <u>D</u> <u>E</u> <u>F</u> - <u>G</u> <u>H</u> <u>J</u> - <u>K</u> <u>L</u> <u>M</u> - <u>N</u> <u>O</u> <u>P</u> - <u>Q</u> <u>R</u> <u>S</u> <u>T</u>				
Note 1: All radios require the Power Distribution Board, Selection O=1.				
Note 2: Works with either the modem or any radio.				

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