

✓ If Applies SERIES C1

### **Control Panels – Configuration Worksheet** WATCONNECT® C1 SERIES

Extra Small-Non-Hazardous Location (Indoor Only)

<u>C</u> <u>1</u>-\_\_\_ (Record part number after entry into *e-Solutions*)

	BASE	Extra small, non-hazardous control panel						
v	✓ If Applies Configurations							
			Total # of Control	Total # of Branch	Full Load Amps/	# Phases		Bra

17 in. x 17 in. x 9 in. (Enclosure only)

BASE	Extra small, non-hazardous control panel									
🗸 If Applies		Configurations				Standard Options				
		Total # of Control Loops or Zones	Total # of Branch Circuits in Panel	Full Load Amps/ Branch Circuit	# Phases Switched	Branch Load Connection(s)	Enclosure	Hi-Limit Type	Main Disconnect	Certification
	Base 1	1	1	18	1	Power distribution block (7 connections/ branch)	Carbon steel (Type 4/ Type 1)	Integrated (with process controller)	None (on/off switch)	UL <sup>®</sup> /cUL <sup>®</sup> listed for non-hazardous environment
	Base 2	1	2	18 (36 total amps)	1	Power distribution block (7 connections/ branch)	Carbon steel (Type 4/ Type 1)	Integrated (with process controller)	None (on/off switch)	UL <sup>®</sup> /cUL <sup>®</sup> listed for non-hazardous environment
	Base 3	2	2	18 (36 total amps)	1	Power distribution block (7 connections/ branch)	Carbon steel (Type 4/ Type 1)	Integrated (with process controller)	None (on/off switch)	UL <sup>®</sup> /cUL <sup>®</sup> listed for non-hazardous environment

$\checkmark$ If Applies	Voltage (must select one)	√ If Applies	Enclosure Option
	120V single phase (power + neutral + ground)		FRP Type 4X (one branch circuit only)
	240V single phase (power + power + ground)		
/ If Annlies	Process Sensor (must select one)	V IT Applies	Hi-Limit Option Discrete (separate controller)
	К		
	RTD	🗸 If Applies	Disconnect Option
	J		Main power disconnect switch with lock out/tag out handle (not fuse protected)
	Т		
	4-20mA	🗸 If Applies	Certification Option
If Applies	Limit Sensor (must select one)		Future Option
	К	√ If Applies	Communications Accessory Option
	RTD		USB to Std Bus cord/convertor (cord in box)
	J		·
	Т		
	4-20mA		



### **Control Panels – Configuration Worksheet WATCONNECT C2 SERIES**

#### Small-Non-Hazardous Location

<u>C</u> <u>2</u>-\_\_\_ (Record part number after entry into *e-Solutions*)

V II ripplico	SERIES C2					
BASE	Small, non-hazardous control panel					
If Applies	Enclosu	re				
	M	aterial			tification	
	Carbon st	teel	UL <sup>®</sup> /cUL <sup>®</sup> Listed (Type 4/Type 1)			
	316 stainl	ess steel	UL®/c	UL <sup>®</sup> Listed	(Type 4X)	
√ If Applies	Configu	ration				
	Total Nbr. of Control Loops or Zones	Total Nbr. of Branch	Full Load Amps/ Branch Circuit	Nbr. Phases Switched	Branch Load Connection(s)	
	1	1	48	2	Safety contactor(s)	
	1	2	48	2	Safety contactor(s)	
	2	2	48	2	Safety contactor(s)	
	1	1	24	2	Safety contactor(s)	
	1	2	24	2	Safety contactor(s)	
	2	2	24	2	Safety contactor(s)	
If Applies	Íf Applies Voltage - 3 phase					
			/ (3 powei	r, 1 ground)	)	
				r, 1 ground)		
	600 - 4 wire supply (3 power, 1 ground)					
✓ If Applies	√ If Applies Sensor Types					
	Pro	cess Con	troller		Limit	
	Pro	cess Con K	troller		Limit K	
	Pro		troller			
	Pro	K	troller		K	
	Pro	K RTD	troller		K RTD J T	
	Pro	K RTD J T 4-20mA			K RTD J T K	
	Pro	K RTD J T 4-20mA 4-20mA	A		K RTD J T K RTD	
	Pro	K RTD J T 4-20mA 4-20mA 4-20mA	A		K RTD J T K RTD J	
	Pro	K RTD J T 4-20mA 4-20mA	A		K RTD J T K RTD	
√ If Applies		K RTD J T 4-20mA 4-20mA 4-20mA	A A A		K RTD J T K RTD J	
√ If Applies	Process	K RTD J T 4-20mA 4-20mA 4-20mA 4-20mA <b>Control</b> k	A A A	Contro	K RTD J T K RTD J	
↓ If Applies	Process Ty Single	K RTD J T 4-20mA 4-20mA 4-20mA 4-20mA 6 Controll pe e F4T	A A A		K RTD J T K RTD J T	
√ If Applies	Process Ty Single Single	K RTD J T 4-20mA 4-20mA 4-20mA 4-20mA 6 Controllo pe e F4T e F4T e F4T	A A A	Single sen Diffe	K RTD J T K RTD J T J T Ol Mode sor or outlet rential	
√ If Applies	Process Ty Singl Singl Singl	K           RTD           J           T           4-20mA           4-20mA           4-20mA           4-20mA           6 Controllog           pe           e F4T           e F4T           e F4T	A A A er	Single sen Diffe Cas	K RTD J T K RTD J T T DI Mode sor or outlet rential scade	
√ If Applies	Process Ty Singl Singl Singl Two	K           RTD           J           T           4-20mA           4-20mA           4-20mA           4-20mA           6 Controll           pe           e F4T           e F4T           e F4T           F4T	A A A er	Single sen Diffe Cas ensor per le	K RTD J T K RTD J T J T Ol Mode sor or outlet rential scade	
√ If Applies	Process Ty Single Single Single Two	K           RTD           J           T           4-20mA           4-20mA           4-20mA           3 Controll           pe           e F4T           e F4T           F4T           F4T	A A A er	Single sen Diffe Cas ensor per le Diffe	K RTD J T K RTD J J T J D Mode sor or outlet rential scade pop or zone or outlet rential	
✓ If Applies	Process Ty Singl Singl Singl Two Two	K           RTD           J           T           4-20mA           4-20mA           4-20mA           4-20mA           6 Controll           pe           e F4T           e F4T           F4T           F4T           F4T	A A A er	Single sen Diffe Cas ensor per le Diffe Cas	K RTD J T K RTD J T T D D Mode sor or outlet rential scade pop or zone or outlet rential scade	
✓ If Applies	Process Ty Singl Singl Singl Singl Two Two Two Single	K           RTD           J           T           4-20mA           4-20mA           4-20mA           4-20mA           6 F4T           e F4T           e F4T           F4T           F4T           F4T           F4T           F4T           F4T	er Single s	Single sen Diffe Cas ensor per lo Diffe Cas Single sen	K RTD J T K RTD J T D Mode sor or outlet rential scade soop or zone or outlet rential scade soop or zone or outlet	
✓ If Applies	Process Ty Single Single Single Two Two Single Two	K           RTD           J           T           4-20mA           4-20mA           4-20mA           4-20mA           6 F4T           e F4T           e F4T           e F4T           F4T           F4T           F4T           PM4	er Single s	Single sen Diffe Cas ensor per la Diffe Cas Single sen ensor per la	K RTD J T K RTD J T T D Mode sor or outlet rential scade sop or zone or outlet rential scade sor or outlet	
✓ If Applies	Process Ty Single Single Single Two Single Two Single	K           RTD           J           T           4-20mA           4-20mA           4-20mA           4-20mA           6 F4T           e F4T           e F4T           F4T           F4T           F4T           F4T           F4T           F4T	er Single s	Single sen Diffe Cas ensor per le Diffe Cas Single sen ensor per le Single sen	K RTD J T K RTD J T D Mode sor or outlet rential scade soop or zone or outlet rential scade soop or zone or outlet	



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24 in. x 20 in. x 10 in. (Enclosure only)

🗸 If Applies	s Hi-Limit(s)					
	Number per Contro	I Loop or Zone	Integ	rated/Discrete		
	1		Integrated *			
	1		Discrete			
	2*		Discrete			
	3**	*		Discrete		
<ul> <li>* Not available with cascade or differential control modes. See "Process Controller" section, then column header "Control Mode".</li> <li>** Not available when two process controllers are selected. See "Process Controller" section, then column header "Type".</li> </ul>						
√ If Applies	Operators	'				
Virippiloo	Standard					
	E-Stop					
√ If Applies	SCCR (Short Circ	uit Curront Pati	ina)			
	480V	240V	iig)	600V		
	35KA	85KA		5KA		
	65KA	100KA				
	100KA					
√ If Applies	Communication C	ptions	·			
V	Standard I/O					
	Remote copper Eth	nernet plus stand	dard I/O	k .		
	Remote fiber/copp					
* Not avail	able with EZ-ZONE					
	ilable with EZ-ZONE d by factory prior to		onfigura	tion must be		
√ If Applies	Environmental Op	otions				
- IT Applies	Panel Heating	Panel Cooling		UV Window		

Panel Heating	Panel Cooling	UV Window
None	None	None
None	None	Yes
None	Fans with shrouds	None
None	Fans with shrouds	Yes



## **Control Panels – Configuration Worksheet WATCONNECT C3 SERIES**

#### Small-Hazardous Location Purged and Pressurized

<u>C</u> <u>3</u>-\_\_\_\_ (Record part number after entry into *e-Solutions*)

🗸 If Applies	SERIES C3						
BASE	Small, ha	azardous o	control pa	nel			
$\checkmark$ If Applies	Enclosu	re					
	Ma	aterial			Certification		
BASE	316 stainl	ess steel	UL®/c	UL <sup>®</sup> Listed	(Type 4X)		
√ If Applies	Configu	ration					
	Total Nbr. of Control Loops or Zones	Total Nbr. of Branch Circuits in Panel	Full Load Amps/ Branch Circuit	Nbr. Phases Switched	Branch Load Connection(s)		
	1	1	48	2	Safety contactor(s)		
	1	2	48	2	Safety contactor(s)		
	2	2	48	2	Safety contactor(s)		
	1	1	24	2	Safety contactor(s)		
	1	2	24	2	Safety contactor(s)		
	2	2	24	2	Safety contactor(s)		
If Applies	Voltage	- 3 phase					
	240 - 4 w	vire supply	y (3 powei	r, 1 ground)	)		
	480 - 4 w	vire supply	y (3 power	r, 1 ground)	)		
	600 - 4 v	vire supply	y (3 power	r, 1 ground)	)		
√ If Applies	Sensor <sup>·</sup>	Types					
	Pro	cess Con	troller	Limit			
		K			K		
		RTD			RTD		
		J		_	J		
		Т			Т		
		4-20mA	-		K		
		4-20mA	-	_	RTD		
		4-20mA	-		J		
		4-20mA	A		Т		
🗸 If Applies	Process	Controll	er				
		ре			ol Mode		
		e F4T		0	sor or outlet		
	-	e F4T			rential		
	Single	e F4T		Cas	scade		

Single sensor per loop or zone or outlet

Differential

Cascade

Single sensor or outlet

Single sensor per loop or zone or outlet

Single sensor or outlet

Single sensor per loop or zone or outlet

$\checkmark$ If Applies	Hi-Limit(s)					
V	Number per Contro	I Loop or Zone	Integrated/Discrete			
	1	-	Integrated *			
	1	Discrete				
	2**		Discrete			
	3**		Discrete			
<ul> <li>* Not available with cascade or differential control modes. See "Process Controller" section, then column header "Control Mode".</li> <li>** Not available when two process controllers are selected. See "Process Controller" section, then column header "Type".</li> </ul>						
√ If Applies	Operators					
V II Applies	Standard E-Stop					
🗸 If Applies	SCCR (Short Circu	it Current Rati	ing)			
	480V	240V	600V			
	35KA	85KA	5KA			
	65KA 100KA					
	100KA					
√ If Applies	Communication O	ptions				
	Standard I/O					

🗸 If Applies	Communication Options					
	Standard I/O					
	Remote copper Ethernet plus standard I/O *					
	Remote fiber/copper Ethernet plus standard I/O **					
* Not avail	* Not available with EZ-ZONE PM6 or PM4.					
** Not available with EZ-ZONE PM6 or PM4. Configuration must be						
reviewe	d by factory prior to quote or order.					

$\checkmark$ If Applies	Environmental Options					
	Panel Heating	Purge/Panel Cooling	UV Window			
BASE	None	Yes	Yes			



24 in. x 20 in. x 10 in. (Enclosure only)

Two F4T

Two F4T

Two F4T

Single PM4

Two PM4

Single PM6

Two PM6



## **Control Panels – Configuration Worksheet** WATCONNECT C4 SERIES

Medium-Non-Hazardous Location

#### <u>C</u> <u>4</u>-\_\_\_\_ (Record part number after entry into *e-Solutions*)

🗸 If Applies	SERIES C4				
BASE	Medium, non-hazardous control panel				
🗸 If Applies	Enclosure				
	Material	Certification			
		Certification UL®/cUL® Listed (Type 4/Type 1)			
	Carbon steel				

🗸 If Applies	Configu	ration			
	Total Nbr. of Control Loops or Zones	Total Nbr. of Branch Circuits in Panel	Full Load Amps/ Branch Circuit	Nbr. Phases Switched	Branch Load Connection(s)
	1	1	48	2	Safety contactor(s)
	1	2	48	2	Safety contactor(s)
	1	3	48	2	Safety contactor(s)
	1	4	48	2	Safety contactor(s)
	2	2	48	2	Safety contactor(s)
	2	4	48	2	Safety contactor(s)
	1	1	24	2	Safety contactor(s)
	1	2	24	2	Safety contactor(s)
	1	3	24	2	Safety contactor(s)
	1	4	24	2	Safety contactor(s)
	2	2	24	2	Safety contactor(s)
	2	4	24	2	Safety contactor(s)

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30 in. x 24 in. x 12 in. (Enclosure only)

√ If Applies	Voltage - 3 P	hase				
	240 - 4 wire supply (3 power, 1 ground)					
	480 - 4 wire su					
	600 - 4 wire su	pply (3 power,	1 ground)			
√ If Applies	√ If Applies Sensor Types					
	Process C	Process Controller Limit				
	×	K	К			
	RT	D	RTD			
	J	J	J			
	Т	-	Т			
	4-20	)mA	К			
	4-20	)mA	RTD			
	4-20	mA	J			
	4-20	)mA	Т			
√ If Applies	Process Contr	roller				
	Туре		Control Mode			
	Single F4T	Si	ngle sensor or outlet			
	Single F4T		Differential			
	Single F4T		Cascade			
	Two F4T	Single sen	sor per loop or zone or outlet			
	Two F4T		Differential			
	Two F4T		Cascade			
	Single PM4	Si	ngle sensor or outlet			
	Two PM4	Single sen	sor per loop or zone or outlet			

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### **Control Panels – Configuration Worksheet** WATCONNECT C4 SERIES

Medium-Non-Hazardous Location (Con't)



30 in. x 24 in. x 12 in. (Enclosure only)

Hi-Limit(s)	
Number of Hi-Limit Sensors Per Control Loop or Zone	Integrated/ Discrete
1 *	Integrated
1	Discrete
2	Discrete
3	Discrete
	Number of Hi-Limit Sensors Per Control Loop or Zone 1 * 1 2

\*Not available with cascade or differential control modes.

See "Process Controller" section, then column header "Control Mode".

	🗸 If Applies	Operators
		Standard
		E-Stop
1		
	1	SCCB (Short Circuit Current Bating) and Shorted SCB

✓ If Applies	(Silicon Controlled Rectifier) Detection			
	480V	240V	600V	Shorted SCR Detection
	35KA	85KA	5KA	No
	35KA	85KA	5KA	Yes
	65KA	100KA		No
	65KA	100KA		Yes
	100KA			No
	100KA			Yes

🗸 If Applies	Communication Options				
	Standard I/O				
	Remote copper Ethernet plus standard I/O *				
	Remote fiber/copper Ethernet plus standard I/O **				
** Not ava	<ul> <li>* Not available with EZ-ZONE PM4.</li> <li>** Not available with EZ-ZONE PM4. Configuration must be reviewed by factory prior to quote or order.</li> </ul>				
🗸 If Applies	Environmental Options				

V				
	Panel Heating	Panel Cooling	UV Window	
	None	None	None	
	None	None	Yes	
	None	Fans with shrouds	None	
	None	Fans with shrouds	Yes	



# **Control Panels – Configuration Worksheet** WATCONNECT C5 SERIES

Medium-Hazardous Location Purged and Pressurized

<u>C</u> <u>5</u>-\_\_\_\_ (Record part number after entry into *e-Solutions*)

<ul><li>✓ If Applies</li><li>BASE</li></ul>	SERIES C5 Medium, hazardous control panel				
V If Applies	Enclosure           Material         Certification           316 stainless steel         UL <sup>®</sup> /cUL <sup>®</sup> Listed (Type 4X)				
√ If Applies					
	Total Nbr. of Control Loops or Zones	Total Nbr. of Branch Circuits in Panel	Full Load Amps/ Branch Circuit	Nbr. Phases Switched	Branch Load Connection(s)
	1	1	48	2	Safety contactor(s)
	1	2	48	2	Safety contactor(s)
	1	3	48	2	Safety contactor(s)
	1	4	48	2	Safety contactor(s)
	2	2	48	2	Safety contactor(s)
	2	4	48	2	Safety contactor(s)
	1	1	24	2	Safety contactor(s)
	1	2	24	2	Safety contactor(s)
	1	3	24	2	Safety contactor(s)
	1	4	24	2	Safety contactor(s)
	2	2	24	2	Safety contactor(s)
	2	4	24	2	Safety contactor(s)



30 in. x 24 in. x 12 in. (Enclosure only)

🗸 If Applies	Voltage - 3 P	hase	
	240 - 4 wire su	pply (3 power,	1 ground)
	480 - 4 wire su	pply (3 power,	1 ground)
	600 - 4 wire su	pply (3 power,	1 ground)
🗸 If Applies	Sensor Types		
	Process C	Controller	Limit
	K	(	К
	RT	D	RTD
	J		J
	Т		Т
	4-20	mA	K
	4-20	mA	RTD
	4-20	mA	J
	4-20	mA	Т
🗸 lf Applies	Process Contr	oller	
	Туре		Control Mode
	Single F4T	Si	ngle sensor or outlet
	Single F4T		Differential
	Single F4T		Cascade
	Two F4T	Single sens	sor per loop or zone or outlet
	Two F4T		Differential
	Two F4T		Cascade
	Single PM4	Si	ngle sensor or outlet
	Two PM4	Single sens	sor per loop or zone or outlet

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## **Control Panels – Configuration Worksheet** WATCONNECT C5 SERIES

Medium—Hazardous Location Purged and Pressurized (Con't)

🗸 lf Applies	Hi-Limit(s)	
	Number of Hi-Limit Sensors Per Control Loop or Zone	Integrated/ Discrete
	1 *	Integrated
	1	Discrete
	2	Discrete
	3	Discrete
*Nlot ovoila	Ζ	Discrete Discrete Discrete

\*Not available with cascade or differential control modes. See "Process Controller" section, then column header "Control Mode".

🗸 lf Applies	Operators				
	Standard				
	E-Stop				
🗸 If Applies	· · ·	Circuit Curren	nt Rating) and S ) Detection	Shorted SCR	
	480V	240V	600V	Shorted SCR Detection	
	35KA	85KA	5KA	No	
	35KA	85KA	5KA	Yes	
	65KA	100KA		No	
	65KA	100KA		Yes	
	100KA			No	
	100KA			Yes	

🗸 lf Applies	Communication Options			
	Standard I/O			
	Remote cop	oper Ethernet plus standard I/O *		
	Remote fibe	er/copper Ethernet plus standard I	/0 **	
<ul> <li>* Not available with EZ-ZONE PM4.</li> <li>** Not available with EZ-ZONE PM4. Configuration must be reviewed by factory prior to quote or order.</li> </ul>				
🗸 lf Applies	✓ If Applies Environmental Options			
	Panel Heating	Purge/Panel Cooling	UV Window	
BASE	None	Yes	Yes	



30 in. x 24 in. x 12 in. (Enclosure only)