Control Panels—Configuration Worksheet
WATCONNECT® C1 SERIES

Extra Small—Non-Hazardous Location (Indoor Only)

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

C 1 -__ __ __ __ (Record part number after entry into *e-Solutions*)

√ If Applies	SERIES C1
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®/cUL® 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®/cUL® 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®/cUL® listed for non-hazardous environment

√ If Applies	Voltage (must select one)
	120V single phase (power + neutral + ground)
	240V single phase (power + power + ground)

√ If Applies	Process Sensor (must select one)
	K
	RTD
	J
	T
	4-20mA

√ If Applies	Limit Sensor (must select one)
	K
	RTD
	J
	T
	4-20mA

√ If Applies	Enclosure Option
	FRP Type 4X (one branch circuit only)

√ If Applies	Hi-Limit Option
	Discrete (separate controller)

√ If Applies	Disconnect Option
	Main power disconnect switch with lock out/tag out handle (not fuse protected)

√ If Applies	Certification Option
	Future Option

√ If Applies	Communications Accessory Option
	USB to Std Bus cord/convertor (cord in box)

Control Panels—Configuration Worksheet
WATCONNECT C2 SERIES

Small—Non-Hazardous Location

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

C 2 - __ __ __ __ (Record part number after entry into *e-Solutions*)

√ If Applies	SERIES C2
BASE	Small, non-hazardous control panel

√ If Applies	Enclosure	
	Material	**Certification**
	Carbon steel	UL®/cUL® Listed (Type 4/Type 1)
	316 stainless steel	UL®/cUL® Listed (Type 4X)

√ If Applies	Configuration				
	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 wire supply (3 power, 1 ground)
	480 - 4 wire supply (3 power, 1 ground)
	600 - 4 wire supply (3 power, 1 ground)

√ If Applies	Sensor Types	
	Process Controller	**Limit**
	K	K
	RTD	RTD
	J	J
	T	T
	4-20mA	K
	4-20mA	RTD
	4-20mA	J
	4-20mA	T

√ If Applies	Process Controller	
	Type	**Control Mode**
	Single F4T	Single sensor or outlet
	Single F4T	Differential
	Single F4T	Cascade
	Two F4T	Single sensor per loop or zone or outlet
	Two F4T	Differential
	Two F4T	Cascade
	Single PM4	Single sensor or outlet
	Two PM4	Single sensor per loop or zone or outlet
	Single PM6	Single sensor or outlet
	Two PM6	Single sensor per loop or zone or outlet

√ If Applies	Hi-Limit(s)	
	Number per Control Loop or Zone	Integrated/Discrete
	1	Integrated *
	1	Discrete
	2**	Discrete
	3**	Discrete

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

** Not available when two process controllers are selected. See "Process Controller" section, then column header "Type".

√ If Applies	Operators
	Standard
	E-Stop

√ If Applies	SCCR (Short Circuit Current Rating)		
	480V	**240V**	**600V**
	35KA	85KA	5KA
	65KA	100KA	
	100KA		

√ If Applies	Communication Options
	Standard I/O
	Remote copper Ethernet plus standard I/O *
	Remote fiber/copper Ethernet plus standard I/O **

* Not available with EZ-ZONE PM6 or PM4.

** Not available with EZ-ZONE PM6 or PM4. Configuration must be reviewed by factory prior to quote or order.

√ If Applies	Environmental Options		
	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

C 3 - __ __ __ __ (Record part number after entry into *e-Solutions*)

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

✓ If Applies	SERIES C3
BASE	Small, hazardous control panel

✓ If Applies	Enclosure	
	Material	**Certification**
BASE	316 stainless steel	UL®/cUL® Listed (Type 4X)

✓ If Applies	Configuration				
	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 wire supply (3 power, 1 ground)
	480 - 4 wire supply (3 power, 1 ground)
	600 - 4 wire supply (3 power, 1 ground)

✓ If Applies	Sensor Types	
	Process Controller	**Limit**
	K	K
	RTD	RTD
	J	J
	T	T
	4-20mA	K
	4-20mA	RTD
	4-20mA	J
	4-20mA	T

✓ If Applies	Process Controller	
	Type	**Control Mode**
	Single F4T	Single sensor or outlet
	Single F4T	Differential
	Single F4T	Cascade
	Two F4T	Single sensor per loop or zone or outlet
	Two F4T	Differential
	Two F4T	Cascade
	Single PM4	Single sensor or outlet
	Two PM4	Single sensor per loop or zone or outlet
	Single PM6	Single sensor or outlet
	Two PM6	Single sensor per loop or zone or outlet

✓ If Applies	Hi-Limit(s)	
	Number per Control Loop or Zone	**Integrated/Discrete**
	1	Integrated *
	1	Discrete
	2**	Discrete
	3**	Discrete

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

** Not available when two process controllers are selected. See "Process Controller" section, then column header "Type".

✓ If Applies	Operators
	Standard
	E-Stop

✓ If Applies	SCCR (Short Circuit Current Rating)		
	480V	**240V**	**600V**
	35KA	85KA	5KA
	65KA	100KA	
	100KA		

✓ If Applies	Communication Options
	Standard I/O
	Remote copper Ethernet plus standard I/O *
	Remote fiber/copper Ethernet plus standard I/O **

* Not available with EZ-ZONE PM6 or PM4.

** Not available with EZ-ZONE PM6 or PM4. Configuration must be reviewed by factory prior to quote or order.

✓ If Applies	Environmental Options		
	Panel Heating	**Purge/Panel Cooling**	**UV Window**
BASE	None	Yes	Yes

Control Panels—Configuration Worksheet
WATCONNECT C4 SERIES

Medium—Non-Hazardous Location

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

<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**
	Carbon steel	UL®/cUL® Listed (Type 4/Type 1)
	316 stainless steel	UL®/cUL® Listed (Type 4X)

√ If Applies	Configuration				
	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)

√ If Applies	Voltage - 3 Phase
	240 - 4 wire supply (3 power, 1 ground)
	480 - 4 wire supply (3 power, 1 ground)
	600 - 4 wire supply (3 power, 1 ground)

√ If Applies	Sensor Types	
	Process Controller	**Limit**
	K	K
	RTD	RTD
	J	J
	T	T
	4-20mA	K
	4-20mA	RTD
	4-20mA	J
	4-20mA	T

√ If Applies	Process Controller	
	Type	**Control Mode**
	Single F4T	Single sensor or outlet
	Single F4T	Differential
	Single F4T	Cascade
	Two F4T	Single sensor per loop or zone or outlet
	Two F4T	Differential
	Two F4T	Cascade
	Single PM4	Single sensor or outlet
	Two PM4	Single sensor 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)

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

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

√ If Applies	Operators
	Standard
	E-Stop

√ If Applies	SCCR (Short Circuit Current Rating) and Shorted SCR (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 available with EZ-ZONE PM4.
** Not available with EZ-ZONE PM4. Configuration must be reviewed by factory prior to quote or order.

√ If Applies	Environmental Options		
	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

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

C 5 - __ __ __ __ (Record part number after entry into *e-Solutions*)

✓ If Applies	SERIES C5
BASE	Medium, hazardous control panel

✓ If Applies	Enclosure	
	Material	**Certification**
BASE	316 stainless steel	UL®/cUL® Listed (Type 4X)

✓ If Applies	Configuration				
	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)

✓ If Applies	Voltage - 3 Phase
	240 - 4 wire supply (3 power, 1 ground)
	480 - 4 wire supply (3 power, 1 ground)
	600 - 4 wire supply (3 power, 1 ground)

✓ If Applies	Sensor Types	
	Process Controller	**Limit**
	K	K
	RTD	RTD
	J	J
	T	T
	4-20mA	K
	4-20mA	RTD
	4-20mA	J
	4-20mA	T

✓ If Applies	Process Controller	
	Type	**Control Mode**
	Single F4T	Single sensor or outlet
	Single F4T	Differential
	Single F4T	Cascade
	Two F4T	Single sensor per loop or zone or outlet
	Two F4T	Differential
	Two F4T	Cascade
	Single PM4	Single sensor or outlet
	Two PM4	Single sensor 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)*

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

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

✓ If Applies	Operators
	Standard
	E-Stop

✓ If Applies	SCCR (Short Circuit Current Rating) and Shorted SCR (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 available with EZ-ZONE PM4.
** Not available with EZ-ZONE PM4. Configuration must be reviewed by factory prior to quote or order.

✓ If Applies	Environmental Options		
	Panel Heating	**Purge/Panel Cooling**	**UV Window**
BASE	None	Yes	Yes