

Model Code

W	CT	900P	AADE	W	M	S	ANNNN
Label	Base	Relays/Wiring	I/O Module#1-4	WiFi	Protocol	Sensor Mounting	Sensors #1-5
W	IN	900P	AADE	W	M	S	ANNNN
Label	Base	Relays/Wiring	I/O Module#1-4	WiFi	Protocol	Sensor Mounting	Sensors #1-5
W	BL	900P	AADE	W	M	ANNNN	
Label	Base	Relays/Wiring	I/O Module#1-4	WiFi	Protocol	Sensors #1-6	

LABEL

W	Walohem
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BASE

CT	Cooling Tower
BL	Boiler
IN	pH, Disinfection, Conductivity

RELAYS/WIRING

8 powered relays	
900H	Hardwired
900P	Prewired with USA power cord and 8 pigtails
900D	Prewired with DIN power cord, no pigtails
900B	Prewired with Brazilian power cord, no pigtails
7 powered 1 dry relays	
910H	Hardwired
910P	Prewired with USA power cord and 7 pigtails
910D	Prewired with DIN power cord, no pigtails
910B	Prewired with Brazilian power cord, no pigtails
2 opto 6 dry relays	
920H	Hardwired
920P	Prewired with USA power cord and two 20 ft. pulse cables
920D	Prewired with DIN power cord, no pigtails
920B	Prewired with Brazilian power cord, no pigtails
4 powered 4 dry relays	
930H	Hardwired
930P	Prewired with USA power cord and 4 pigtails
930D	Prewired with DIN power cord, no pigtails
930B	Prewired with Brazilian power cord, no pigtails
4 opto 4 dry relays	
940H	Hardwired
940P	Prewired with USA power cord and four 20 ft. pulse cables
940D	Prewired with DIN power cord, no pigtails
940B	Prewired with Brazilian power cord, no pigtails
4 opto 4 powered relays	
950H	Hardwired
950P	Prewired with USA power cord, 4 pigtails and four 20 ft. pulse cables
950D	Prewired with DIN power cord, no pigtails
950B	Prewired with Brazilian power cord, no pigtails
2 opto 6 powered relays	
960H	Hardwired
960P	Prewired with USA power cord, 6 pigtails, two 20 ft. pulse cables
960D	Prewired with DIN power cord, no pigtails
960B	Prewired with Brazilian power cord, no pigtails
8 dry relays	
970H	Hardwired
970P	Prewired with USA power cord, no pigtails
970D	Prewired with DIN power cord, no pigtails
970B	Prewired with Brazilian power cord, no pigtails

I/O MODULES #1-4 (must be in alphabetical order)

N	No input output module
A	Dual Sensor Inputs
B	Dual Analog Inputs
C	Four Analog Inputs
D	Six Analog Inputs
E	Dual Analog Inputs + Four Analog Outputs
F	Dual Analog Outputs
G	Four Analog Outputs
H	Dual Corrosion Inputs

WiFi

N	None
W	Single Connection, WiFi only
D	Dual Connection, Ethernet and WiFi

COMMUNICATIONS PROTOCOL

N	None
M	Modbus TCP and BACnet

SENSOR MOUNTING

N	None
S	Submersion
I	Inline
L	Loose flow switch manifold
P	Flow switch manifold on panel
F	Loose high pressure flow switch manifold
H	High Pressure flow switch manifold on panel*
S	Submersion
I	Inline
L	Loose flow switch manifold
P	Flow switch manifold on panel

SENSORS #1-5 (must be in alphabetical order)

N	None
A	Graphite/PP cooling tower contacting conductivity
B	316SS/PP cooling tower contacting conductivity
C	Cooling tower, electrodeless conductivity
D	High pressure conductivity
E	Makeup conductivity
F	Flat pH
G	High pressure pH
H	Rod ORP
I	Flat ORP
J	High pressure ORP
K	Chlorine**
L	ClO ₂ **
M	Little Dipper**
O	One Corrosion Sensor (electrodes purchased separately)**
P	Pyxis PTSA**
R	Two Corrosion Sensors (electrodes purchased separately)**
S	Disinfection, No Sensor
A	External Preamp
B	Flat pH with ATC
C	Disinfection, no sensor
D	PEEK electrodeless
E	CPVC electrodeless
F	CCond, K=1.0, 100psi
G	CCond, K=0.1, 100psi
H	CCond, K=10, 100psi
I	CCond, K=0.01, 100psi
J	CCond, K=1.0, 200psi
K	CCond, K=0.1, 200psi
L	CCond, K=10, 200psi
M	CCond, K=0.01, 200psi

* If a high pressure manifold is selected, only Hi P sensors and Makeup available.

** Dipper, Pyxis, Chlorine, ClO₂, Corrosion sensors NOT available with Submersion mounting

SENSORS #1-6 (must be in alphabetical order)

N	None
A	Boiler sensor with ATC, 250 psi, K=1.0, 20ft.cable
B	Boiler sensor no ATC, 250 psi, K=1.0, 20ft.cable
C	Condensate sensor with ATC, 200 psi, K=0.1, 10ft.cable
D	Boiler sensor with ATC, 250 psi, K=10, 20ft.cable

WCT
WBL
WPH
WDS
WCN

RELAYS/WIRING
WCT600P

INPUT CARDS
CS

ANALOG OUTPUTS
N

ETHERNET
E

SENSORS
- BI

Example: WCT600PCSNE-BI

RELAYS/WIRING

6 powered relays	
600H	Hardwired
600P	Prewired with USA cords and pigtails
600D	Prewired with DIN power cord, no pigtails
2 powered 4 dry relays	
610H	Hardwired
610P	Prewired with USA cord and 2 pigtails
610D	Prewired with DIN power cord, no pigtails
2 opto 4 dry relays	
620H	Hardwired
620P	Prewired with USA cord and two 20 ft. pulse cables
620D	Prewired with DIN power cord, no pigtails
4 opto 2 dry relays	
640H	Hardwired
640P	Prewired with USA cord and four 20 ft. pulse cables
640D	Prewired with DIN power cord, no pigtails

INPUT CARDS

NN	No sensor input cards
SN	One sensor input card
SS	Two sensor input cards
CS	One sensor input card & one combination sensor/analog input card
CN	One combination sensor/analog input card
CA	One combination sensor/analog input card & one dual analog input card
CC	Two combination sensor/analog cards
AN	One dual analog input card
AA	Two dual analog input cards
SA	One sensor input card and one dual analog input card

ANALOG OUTPUTS

N	No analog outputs
A	One dual isolated analog output card

ETHERNET

N	No Ethernet
E	Ethernet card
M	Ethernet card with Modbus/TCP

WBL BOILER SENSORS

NN	No sensor	Type of Input card required
AN	Boiler sensor with ATC, K=1.0, 260 psi, 20 ft. cable	S or C
BN	Boiler sensor without ATC, K=1.0, 260 psi, 20 ft. cable	
CN	Condensate sensor with ATC, K=0.1, 200 psi, 10 ft. cable	
DN	Boiler sensor with ATC, K=10, 260 psi, 20 ft. cable	
AA	Two boiler sensors, with ATC, K=1.0, 260 psi, 20 ft. cables	SS or CS or CC
BB	Two boiler sensor without ATC, K=1.0, 260 psi, 20 ft. cables	
CC	Two condensate sensors with ATC, K=0.1, 200 psi, 10 ft. cables	
DD	Two Boiler sensors with ATC, K=10, 260 psi, 20 ft. cables	
AB	Boiler sensor with ATC, K=1.0 and boiler sensor without ATC, K=1.0, 260 psi, 20 ft. cables	
AC	Boiler sensor with ATC, K=1.0 20 ft.cable and Condensate sensor with ATC, K=0.1, 260 psi, 10 ft. cable	
AD	Boiler sensor with ATC, K=1.0 and Boiler sensor with ATC, K=10, 260 psi, 20 ft. cables	
BC	Boiler sensor without ATC, 20 ft. and condensate sensor with ATC, 10 ft. cable	
BD	Boiler sensor without ATC and Boiler sensor with ATC, K=10, 260 psi, 20 ft. cables	
CD	Condensate sensor with ATC, 10 ft. cable and Boiler sensor with ATC, K=10, 260 psi, 20 ft. cable	

WDS DISINFECTION SENSORS

NN	No sensors or flow switch manifold	
PN	Single DIS manifold on panel*	S or C
PX	DIS manifold plus pH/ORP/cooling tower cond tee on panel**	SS or CS or CC
FN	Single DIS flow cell/cable, no sensor*	S or C
FF	Two DIS flow cell/cable, no sensors*	SS or CS or CC

*Order disinfection sensor(s) separately

**Order disinfection sensor and WEL electrode and preamplifier housing or cooling tower conductivity sensor separately

WCN CONDUCTIVITY SENSORS

NN	No sensors or flow switch manifold*	S or C for each sensor to be used
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WPH pH/ORP SENSORS

NN	No sensors or flow switch manifold	Type of Input card required
PN	Single low pressure manifold on panel**	S or C
QN	Single high pressure manifold on panel with 190783*	
PX	Dual low pressure manifold on panel**	SS or CS or CC
QX	Dual high pressure manifold on panel with two 190783*	

*Order 102029 pH and/or 102963 ORP electrodes separately

**Order WEL electrode(s) and preamplifier housing(s) separately

WCT COOLING TOWER SENSORS

NN	No sensor	Type of Input card required
AN	Inline graphite contacting conductivity	S or C
BN	Graphite contacting conductivity + Flow Switch manifold on panel	
CN	High pressure contacting conductivity	
DN	High pressure contacting conductivity + Flow Switch manifold on panel	
EN	Inline 316SS contacting conductivity	
FN	316SS contacting conductivity + Flow Switch manifold on panel	
GN	Inline electrodeless conductivity	S
HN	Electrodeless conductivity + Flow Switch manifold on panel	
Graphite contacting conductivity + Flow Switch manifold on panel		
BA	+ Flat pH Cartridge no ATC	SS, CS or CC
BB	+ Rod ORP Cartridge no ATC	
BC	+ Flat ORP Cartridge no ATC	
BD	+ Little Dipper	SA or C
BH	+ Flat pH Cartridge no ATC + Little Dipper	CS or CC
BI	+ Rod ORP Cartridge no ATC + Little Dipper	
BJ	+ Flat ORP Cartridge no ATC + Little Dipper	
BK	+ Little Dipper with Makeup graphite conductivity with threaded adapter	
BQ	+ Pyxis	
BR	+ WEL-PHF no ATC + Pyxis	
BS	+ WEL-MVR no ATC + Pyxis	CS or CC
BT	+ WEL-MVF no ATC + Pyxis	CS or CC
BU	+ Pyxis with Makeup graphite conductivity with threaded adapter	CS or CC
316SS contacting conductivity + Flow Switch manifold on panel		
FA	+ Flat pH Cartridge no ATC	SS, CS or CC
FB	+ Rod ORP Cartridge no ATC	
FC	+ Flat ORP Cartridge no ATC	
FD	+ Little Dipper	SA or C
FH	+ Flat pH Cartridge no ATC + Little Dipper	CS or CC
FI	+ Rod ORP Cartridge no ATC + Little Dipper	
FJ	+ Flat ORP Cartridge no ATC + Little Dipper	
FQ	+ Pyxis	
FR	+ WEL-PHF no ATC + Pyxis	
FS	+ WEL-MVR no ATC + Pyxis	
FT	+ WEL-MVF no ATC + Pyxis	CS or CC
High pressure contacting conductivity + Flow Switch manifold on panel		
DE	+ pH & 190783	SS, CS or CC
DF	+ ORP & 190783	
Electrodeless conductivity + Flow Switch manifold on panel		
HA	+ Flat pH Cartridge no ATC	SS or CS
HB	+ Rod ORP Cartridge no ATC	
HC	+ Flat ORP Cartridge no ATC	
HD	+ Little Dipper	SA or CS
HH	+ Flat pH Cartridge no ATC + Little Dipper	CS
HI	+ Rod ORP Cartridge no ATC + Little Dipper	
HJ	+ Flat ORP Cartridge no ATC + Little Dipper	
HK	+ Little Dipper with Makeup graphite conductivity with threaded adapter	
HQ	+ Pyxis	
HR	+ WEL-PHF no ATC + Pyxis	
HS	+ WEL-MVR no ATC + Pyxis	CS
HT	+ WEL-MVF no ATC + Pyxis	CS
HU	+ Pyxis with Makeup graphite conductivity with threaded adapter	CS

WCTW
WBLW

Relays/Wiring

Analog Output

- Sensors

Relays/Wiring

100H = 3 powered relays, hardwired

100P = 3 powered relays, prewired USA power cord & pigtails

100D = 3 powered relays, prewired DIN power cord, no pigtails

110H = 3 dry relays, hardwired

110P = 3 dry relays, prewired USA power cord, no pigtails

110D = 3 dry relays, prewired DIN power cord, no pigtails

Analog Output

N = No analog output

A = One isolated analog (4-20 ma) output

Sensors (WCTW)

N = No sensor

A = Inline/submersion graphite contacting conductivity

B = Graphite contacting conductivity + Flow Switch manifold on panel

C = High pressure contacting conductivity

D = High pressure contacting cond + Flow Switch manifold on panel

E = Inline/submersion 316SS contacting conductivity

F = 316SS contacting conductivity + Flow Switch manifold on panel

G = Inline/submersion electrodeless conductivity

H = Electrodeless conductivity + Flow Switch manifold on panel

Sensors (WBLW)

N = No sensor

A = Boiler sensor with ATC, 250 psi, 20 ft cable

B = Boiler sensor without ATC, 250 psi, 20 ft cable

C = Condensate sensor with ATC (cell constant 0.1), 200 psi, 10 ft cable

D = Boiler sensor with ATC, up to 100 mS/cm (cell constant 10), 250 psi, 20 ft cable