

Cooling Tower Treatment Controllers - User Manual

Appendix 1. New functionalities of “WEB READY” and “WEB BASED” Units

1. Switch from Logo Page to Data Page

```

Calibration Mode
Choose Cal. Mode ?
Up/Down Select
Press Enter To Exit
  
```

Press  and then  until **System ?**

```

Calibration Mode
system ?
Up/Down Select
Enter To Confirm
  
```

Press  and then  until **Panel Selection**



```

System Control
Panel Selection
Up/Down To Change
Enter To Continue
  
```

Press 


```

Panel Selection Menu
Display Logo Pg
Up/Dn Chg Entr to C
  
```

Press  or  to Select

```

Panel Selection Menu
Display Data Pg
Up/Dn Chg Entr to C
  
```

Press  to Confirm and  to exit

2. Set Points Sneak Peek

2a. CO, CP, CH, CL controllers


```

mS/cm=1.38 pH=7.10
TDS =898 ORP=601
LSI=-0.64 TEMP=26.0
ALARM=OFF FLOW=ON
  
```

When on **Data Page** press  and hold it down

```

mS/cm=1.30 pH=7.20
ORP=600
***SET-POINTS***
  
```

Set points are displayed as long as  button is down

Release  and Press  to return to **Data Page**

2b. CT Controllers

```

mS/cm=1.45 SET=1.50
TDS =943
TEMP =26.0
ALARM=OFF Flow=ON
  
```

On **Data Page**, **Conductivity Set-Point** is indicated to the right as **SET**


3. Timer for Outputs



3a. Check Output Relays for 5 sec

```
mS/cm=1.38    pH=7.10
IDS   =898    ORP=601
LSI=-0.64    TEMP=26.0
ALARM=OFF    FLOW=ON
```



```
Test RL MAN 5  secs
RL1-pH        OFF
ON:           NONE
Press Read To Exit
```

```
Test RL RUN
RL6-BIO-B     ON
ON: 6         00:05
Press Read To Exit
```

When on Logo/Data Page press  and hold for 5 sec

Press  and then  to Change from MAN to RUN

Each Output will RUN automatically for 5 seconds

Press  to Exit and  to main menu

3b. Run Multiple Outputs by Timer

```
mS/cm=1.38    pH=7.10
IDS   =898    ORP=601
LSI=-0.64    TEMP=26.0
ALARM=OFF    FLOW=ON
```

```
Test RL MAN 5  secs
RL1-pH        OFF
ON:           NONE
Press Read To Exit
```

```
Test RL MAN 2  secs
RL1-pH        OFF
ON:           NONE
Press Read To Exit
```

```
Test RL MAN 2  mins
RL1-pH        OFF
ON:           NONE
Press Read To Exit
```



```
Test RL MAN 2  mins
RL1-pH        ON
ON: 1         02:00
```




```
Test RL MAN 2  mins
RL1-pH        ON
ON: 1 4 6     01:57
Press Read To Exit
```

When on Logo/Data Page press  and hold for 5 sec


Press  twice and then  or  to set the time

Press  then  or  to select time unit "mins/secs"

Press  then  or  to select Output

Press  then  or  to turn it On/Off

Repeat the above two steps to select more outputs

System automatically **Exits** to normal operations 10 minutes after the timer finishes. Press  if you want to **Exit** earlier.

4. Set Conductivity/ TDS Conversion Factor

Calibration Mode
Choose Cal. Mode ?
Up/Down Select
Press Enter To Exit

Press  and then  until System ?




Calibration Mode
system ?
Up/Down Select
Enter To Confirm

Press  then  until TDS Conv Factor

System Control
TDS Conv Factor
Up/Down To Change
Enter To Continue

Press 

TDS Conversion
1 uS/cm=0.65 ppm
Up/Down To Change
Enter To Continue

Press  or  to change and  to Save

5. Set time

Procedure to set time when there is no modem installed on the controller:

Calibration Mode
Choose Cal. Mode ?
Up/Down Select
Press Enter To Exit

Press  and then  until System ?




Calibration Mode
system ?
Up/Down Select
Enter To Confirm

Press  and then  until Set Time

System Control
Set Time
Up/Down To Change
Enter To Continue

Press 

Controller Time:
1/07/12 16:54:18
Press Enter to Save

Press  or  to change and  to Save

NOTE!

Press  to exit without saving!

When a modem is installed the following message appears informing that time zone should be set from AquaReporter website:

Controller Time:
Set timezone
on website
Enter To Continue

Use AquaReporter website to set time zone

6. Water Meter Mode for Inhibitor

```
SET Inhibitor
MODE=WM      PPM =10
PUMP= 1.00 L/h
WUM1 DISABLED
```

When on Inhibitor SET page change mode to WM
(refer to Cooling Tower User Manual to see how)



```
SET Inhibitor
MODE=WM      PPM =150
PUMP= 1.00 L/h
WUM1 1 Pulse=0.10L
```

Use  followed by  or  to change the pump size, Select and set WUM and then input the requested ppm

```
SET Inhibitor
MODE=WM      PPM =147
PUMP= 1.00 L/h
WUM2 1 Pulse=0.15L
```

WUM1 port is located on mother board
WUM2 port is located on extra WUM board

```
WARNING!
Input from WUM Board
Accept: No
```

When WUM2 is selected a warning message appears
Press  to select Yes if WUM board is installed and 

7. Clear Data Log

The following procedure is used to clear datalog:

```
Calibration Mode
Choose Cal. Mode ?
Up/Down Select
Press Enter To Exit
```

Press  and then  until **System ?**

```
Calibration Mode
system ?
Up/Down Select
Enter To Confirm
```

Press  and then  until **Clear Datalog**

```
System Control
Clear Datalog
Up/Down To Change
Enter To Continue
```

Press 

```
Clear Data log?
No?
```

Press  or  to change

```
Clear Data log?
Yes?
```

Press  to Continue

8. Activate Common Alarm Port

The Common Alarm port of “WEB READY” controllers is programmed to restart modems when they stop communicating with Aquarius Clouds Server.

As far as there is no modem installed, this port can be activated to send alarms to an external alarm system (e.g., BMS, Siren, flashing light). The relevant steps are described here:

```

Calibration Mode
Choose Cal. Mode ?
Up/Down Select
Press Enter To Exit
  
```

Press  and then  until **System ?**

```

Calibration Mode
system ?
Up/Down Select
Enter To Confirm
  
```

Press  and then  until **Relay Select**



```

System Control
Relay Select
Up/Down To Change
Enter To Continue
  
```

Press 

```

ALARM O/P Controls:
Modem
Up/Down To Change
Enter To Continue
  
```

Press  or  to change to **Common Alarm**

```

ALARM O/P Controls:
Common Alarm
Up/Down To Change
Enter To Continue
  
```

Press  to Continue

NOTE! This port should not be connected to an external alarm system when a modem is connected.