

iCon

PC Link Software Manual System Cor Rev 18.6.1-40 PC Link cc300 Rev 01.00.03

Title Page

© 2006 Comeragh Controls Ltd

No part of this document may be reproduced by any process without the prior written permission from Comeragh Controls Ltd.

The information in this document is provided for reference only. While every effort has been made to make sure it is accurate and complete, Comeragh Controls Ltd does not accept any liability arising out of the application or use of the information or products described herein. Moreover, Comeragh Controls Ltd reserves the right to alter specifications or procedures without notice.

This document may contain or refer to information or products protected by copyright or patents and does not convey any license under the patent rights of Comeragh Controls Ltd nor the rights of others.

All products referred herein are trademarks of their respective owners.

Publication details:

Title: iCon PC Link Software Manual *Issue Date:* 9-12-16 *Part Number:* CC-icons SM

Produced by:

Product Support Department Comeragh Controls Ltd Upper Irish Town Clonmel Co. Tipperary



Contents

1.	PC Software Installation	3
2.	Starting Application	4
3.	Setting up PC link software at PC	7
4.	Setting up PC link software at Touch Screen	8
5.	PC Link Operation	.10
1	Step 1: Labels	.11
1	Step 2 Scheduling	.11
:	Step 3 7 Day Schedule	.11
:	Step 4 Mode	.11
1	Step 5 T (Zone Temperature)	.11
6.	Summary Note:	.14



1. <u>PC Software Installation</u>

1.1 Supplied on Disk

The *Control Master* software package is supplied in floppy disk format. Using MS Dos, type 'A:\install' at the prompt command. To install the *Control Master* software from the floppy disk using Windows 98,NT, XP do the following:

- 1. Insert the disk in the floppy drive
- 2. Click the Start button, Select Settings and click on Control Panel
- 3. Double-click the *Add/Remove Programs* icon and follow the instructions displayed the on screen.

Run Installation Program	
	If this is the correct installation program, click Finish. To start the automatic search again, click Back. To manually search for the installation program, click Browse. Command line for installation program: ANINSTALL BAT Browse
	< Back Finish Cancel

Figure 1-1 - Installation Dialog Box.

Add Control Master to the Start menu or Desktop by creating a shortcut as described in your Windows User Manual.

1.2 Supplied via email

- 1. Unzip attached file
- 2. Double Click on SETUP
- 3. Follow the instructions display
- Copy all files from CM Bitmap Folder into the folder the system created on your PC (Default: C\Program Files\Control Master) (If requested to Over Write – Select YES)



2. Starting Application

Using Windows 98, 2000, XP, or VISTA select Start |My Computer | Local Disk C: | Program Files | Control Master

Step 1: Open application

Double Click on Control Master exe

€€€	Installation → PC Link → PC L	ink Demo Software 🕨	• • • •	Search	٩
🌗 Organize 👻	🏢 Views 🔻 👶 Burn				?
Favorite Links	Name	Date modified	Туре	Size	
(Empty)	CC_Env Cdta Cota Coto_CentralStation.exe Coto_CentralStation.rar Coto.cll GitledII Modbus.dII NetworkUbis.dII OpenNETCF.Extensions.tII RootForms.dII	09/09/2014 14:29 09/09/2014 14:28 09/09/2014 14:28 09/09/2014 14:23 09/09/2014 14:27 09/09/2014 14:27 09/09/2014 14:27 03/09/2014 13:59 03/09/2014 13:59 03/09/2014 13:59 03/09/2014 10:25	File Folder File Folder File Folder Application WinZip File Application Extens Application Extens Application Extens Application Extens Application Extens Oouble Click Central Statio	143 KB 101 KB 68 KB 8 KB 53 KB 6 KB 32 KB 59 KB 0n cc 100 n	
Folders ^					
11 ite	ms				

Step 2: Password

The application will now request a password	[
Enter 3105 & press Continue	Administrator Enter Password
	Enter 3105
Password – 🗆 X	Administrator Code Only !!!
Admin Paseword	
Continue	
User Password Cancel	
	User Enter Password
	Enter Password
Rev 01.00.02	Liser Code Only III
Core Rev18.06.01-38	Note and consitive



			_
Admin Password	3105	Continue	
User Password		Cancel	
	Ignore Password		
Max Consoles	1		
Rev 01.00.02			
Core Rev18.06.01	8		

Once the Administrator Password is Entered (3105) 2 New field appears

- Option to Ignore password
- Max Number of Consoles

Note: This Password should only be used by Administrator Separate Passwords can be entered for the Clients' General Users

Step 3: Password for General Users

The application will now request a password Enter "Password" & press Continue

Password	- 🗆 ×	
Admin Password	Continue	
Rev 01.00.02 Core Rev18.06.01-38		User Enter Password Enter Password User Code Only !!! Note case sensitive



<u>User Interface Displayed</u> The Main User Interface should now be open.

Console			Master Mode									
	Name Unassigned			Schedule Heating and DHW Zones	A	l Heating ones Off		All Zo	Heating nes On			All Heating and DHW Zones Off
				Heating Zones follow Scher DHW follows Schedule	dule	Heating Zo DHW follo	ones are Constant Ol ws Schedule	ff All DH	Heating Zo	nes are Constant Schedule	On	All Heating Zones are Constant Off DHW is Constant Off
Zone #	Name	Sun	⊛ Mon ⊘ Tue ⊘ 1	— Wed 🔘 Thur 🔘 Fri	i 🔘 Sat	Lock	Mode	SP(℃)	T(℃)	Heating Scheduled State	Heating Actual State	Comms State
1	Zone 1		(22°C) 07:00 - 10:00;			21	Schedule -	21°C	19°C	On	On	√
2	Zone 2		(22°C) 07:00 - 10:00;			2	Schedule -	21°C	23°C	Off	Off	√
3	Zone 3		(22°C) 07:00 - 10:00;				Schedule +	21°C	22℃	Off	Off	√
4	Zone 4		(22°C) 07:00 - 10:00;			2	Schedule -	21°C	23°C	Off	Off	√
5	Zone 5		(22°C) 07:00 - 10:00;			ā	Schedule 👻	21°C	0°C	Off	Off	x
6	Zone 6		(22°C) 07:00 - 10:00;			ă	Schedule -	21°C	0°C	Off	Off	x
7	Zone 7		S-Hs-Ms-He-Me-(22°C) 07:00	- 10:00;		2	Schedule -	21°C	19°C	Off	Off	√
8	Zone 8		T-S-Hs-Ms-He-Me-(22°C) 07:0	00 - 10:00;		ğ	Schedule -	21°C	0°C	Off	Off	x
9	Zone 9		T-S-Hs-Ms-He-Me-(22°C) 07:0	00 - 10:00;		ĕ	Schedule -	21°C	0°C	Off	Off	x
10	Zone 10		T-S-Hs-Ms-He-Me-(22°C) 07:0	00 - 10:00;		(Z)	Schedule -	21°C	0°C	Off	Off	x
11	Zone 11		T-S-Hs-Ms-He-Me-(22°C) 07:0	00 - 10:00;		(Ā	Schedule -	21°C	0°C	Off	Off	x
12	Zone 12		T-S-Hs-Ms-He-Me-(22°C) 07:0	00 - 10:00;		(Z)	Schedule -	21°C	0°C	Off	Off	x
13	Zone 13		T-S-Hs-Ms-He-Me-(22°C) 07:0	00 - 10:00;		(Ā	Schedule -	21°C	0°C	Off	Off	x
14	Zone 14		T-S-Hs-Ms-He-Me-(22°C) 07:0	00 - 10:00;		(Ā	Schedule -	21°C	0°C	Off	Off	x
15	Zone 15		T-S-Hs-Ms-He-Me-(22°C) 07:0	00 - 10:00;		(Ā	Schedule -	21°C	0°C	Off	Off	x
16	Zone 16		T-S-Hs-Ms-He-Me-(22°C) 07:0	00 - 10:00;		Ā	Schedule -	21°C	0°C	Off	Off	x
17	Zone 17		T-S-Hs-Ms-He-Me-(22°C) 07:0	00 - 10:00;		Ā	Schedule -	21°C	0°C	Off	Off	x
18	Zone 18		T-S-Hs-Ms-He-Me-(22°C) 07:0	00 - 10:00;		Ì	Schedule -	21°C	0°C	Off	Off	x
19	Zone 19	(a 214	T-S-Hs-Ms-He-Me-(22°C) 07-(00 - 10:00		ă	Calcadada	21°C	0°C	Off	Off	¥



3. Setting up PC link software at PC

3.1 Assigning multiple consoles

Console	·		Master Mode									
\bigcap	Name Unassigned			Schedule Heatin and DHW Zones	ig A 3 2	VI Heating Cones Off		All Zo	Heating nes On			All Heating and DHW Zones Off
			>	Heating Zones follow	w Schedule	Heating Zo	ones are Constant O	f All	Heating Zon	es are Constant	On	All Heating Zones are Constant Off
				DHW follows Sched	dule	DHW follo	ws Schedule	DH	W follows S	chedule		DHW is Constant Off
Zone												
#	Name) Sun	⊚ Mon . ◯ Tue . ◯	— Wed ⊚ Thur	⊚Fri ⊚ Sat	Lock	Mode	SP(°C)	T(°C)	Heating Scheduled State	Heating Actual State	Comms State
1	Zone 1		(22°C) 07:00 - 10:00;			21	Schedule +	21℃	19°C	On	On	√
2	Zone 2		(22°C) 07:00 - 10:00;				Schedule -	21°C	23°C	Off	Off	1
3	Zone 3		(22°C) 07:00 - 10:00;			Ø	Schedule -	21°C	22°C	Off	Off	4
4	Zone 4		(22°C) 07:00 - 10:00;			ā	Schedule +	21°C	23°C	Off	Off	√
5	Zone 5		(22°C) 07:00 - 10:00;			ä	Schedule -	21°C	0°C	Off	Off	x
6	Zone 6		(22°C) 07:00 - 10:00;			ă	Schedule -	21°C	0°C	Off	Off	x
7	Zone 7		S-Hs-Ms-He-Me-(22°C) 07:00	- 10:00;		ğ	Schedule -	21℃	19°C	Off	Off	√
8	Zone 8		T-S-Hs-Ms-He-Me-(22°C) 07:	00 - 10:00;		Ø	Schedule -	21°C	0°C	Off	Off	x
9	Zone 9		T-S-Hs-Ms-He-Me-(22°C) 07:	00 - 10:00;		ē	Schedule -	21°C	0°C	Off	Off	x
10	Zone 10		T-S-Hs-Ms-He-Me-(22°C) 07:	00 - 10:00;		ğ	Schedule -	21°C	0°C	Off	Off	x
11	Zone 11		T-S-Hs-Ms-He-Me-(22°C) 07:	00 - 10:00;		Õ	Schedule -	21℃	0°C	Off	Off	x
12	Zone 12		T-S-Hs-Ms-He-Me-(22°C) 07:	00 - 10:00;		Ă	Schedule -	21°C	0°C	Off	Off	x
13	Zone 13		T-S-Hs-Ms-He-Me-(22°C) 07:	00 - 10:00;		(Ā	Schedule -	21°C	0°C	Off	Off	x
14	Zone 14		T-S-Hs-Ms-He-Me-(22°C) 07:	00 - 10:00;		Õ	Schedule -	21℃	0°C	Off	Off	x
15	Zone 15		T-S-Hs-Ms-He-Me-(22°C) 07:	00 - 10:00;		Ā	Schedule -	21°C	0°C	Off	Off	х
16	Zone 16		T-S-Hs-Ms-He-Me-(22°C) 07:	00 - 10:00;		2	Schedule -	21℃	0°C	Off	Off	х
17	Zone 17		T-S-Hs-Ms-He-Me-(22°C) 07:	00 - 10:00;		Ā	Schedule -	21℃	0°C	Off	Off	х
18	Zone 18		T-S-Hs-Ms-He-Me-(22°C) 07:	00 - 10:00;		2	Schedule -	21°C	0°C	Off	Off	x
19	Zone 19	(and	T-S-Hs-Ms-He-Me-(22°C) 071	00 - 10:00:		ā	Sobodulo -	21°C	0°C	Off	Off	x

• Select Communication Link icon



- Enter Touch Screen Name : E.g Ground Floor
- Press Setup



4. Setting up PC link software at Touch Screen

Comment:

The IP address must be assignee in both windows and in cc200 application.

This IP address can either be a "Fixed IP Address" or a dynamically assigned "DCHP" address



Modbus Setup		Select Communication Protocol > RTU
Туре	RTU -	
Id	0	
CRC	Enable	Enter Console Address
Com Port		
		Check if CRC checking is required
		Assign Com Port Port number must be the same on the Touch Screen and the Server.

TCPIP

Modbus Setup		7	Select Communication Protocol > TCPIP
Туре	TCP_IP		
Id CRC	0 a	+	Enter Console Address
		+	Check if CRC checking is required
Socket End Port Socket End IP	3333 A 192.168.0.0		Assign Socket En Port & IP address Port number must be the same on the Touch Screen and the Server.

Note:

- 1. Once all the consoles have been set up on your PC, Reboot the PC application (cc100) to ensure application runs from the start. (At start the PC App checks the number of zones in each console)
- 2. If re-setting up the Modbus, delete Modbus.dat from Flash Disk 1.



Example: PC Link - Install Steps on cc200 Touch Screen Set up in Microsoft Windows:

Steps:

Access Via Windows Start / Setting/ Network & Dial Up Connections Select DM9000

Sample Setup -Fixed IP Address

DM9000 Fast Ethernet Adapter' Settings						
IP Address Name Servers						
An IP address can be	O Obtain an IP address via DHCP					
computer. If your network	Specify an IP ad	dress				
does not automatically assign IP addresses, ask your network	IP <u>A</u> ddress:	172.16.102.10				
administrator for an address,	Subnet Mask:	255.255.0.0				
provided.	Default Gateway:	172.16.1.200				

Name Server - (Not Critical)



Set us in cc200 Application – Eng Section (Modbus Slave)





5. PC Link Operation

Overview:

The zone profile allow you to input Labels, Schedule, temp setting and general setting for each of the zones within a development.



Note:

When a Touch Screen console powers up initially, it defaults to Winter Comfort Schedule.

Once the PC Link is established, the Touch Screen move to the Custom Schedule.

Since the Touch Screen is under central control, the Master Mode & Schedule icon are lock out.

If the PC Link between your PC and the Touch Screen is lost.

- After 10 min the "System is currently under Central Control" message is disappear
- The touch screen will revert to the Winter Comfort Schedule

Note the schedule on the PC is never stored on the Touch Screen, it is only stored in RAM (Random Access Memory)



Zone Profile

<u>Step 1:</u>	Labels Once the PC and linked with Zone Labels will be display Zone Label E.g. KITCHEN	h the touch screen , the zone labels are retrieved from the Touch ed at the PC.						
Step 2	Scheduling Each zone can be scheduled over a 24 hr period.	ON (Heat to SP) or OFF (Heat to SB (Stand By) (Set Back)						
<u>Step 3</u>	7 Day Schedule Schedules can be different for each Zone and each day of the week. Click box beside Day to edit it's schedule							
<u>Step 4</u>	ModeEach zone can have the follow• Normal• Stop• Disable	owing mode setting Follow ON/ OFF Schedule Ignore Zone Schedule – Move to Set Back Temperature Frost Protection Mode						
Step 5	T (Zone Temperature) T =	Zone Temperature						
<u>Step 6</u>	SP (Set Point SP =	Zone Set Point Temperature (Zone Desired Temperature when schedule ON) If no ON time is schedule during a particular period, the SP displayed is the default value typically 21. The Zone is then OFF Off Of ufh zones is SP-SB (Set Point less Set Back) Off Of Rad zones is Off Temp e.g. 5°C.						



Master Mode:

Default :Sch Mode:

Sch Mode: If master mode is set to the Default: Sch Heating & DHW zones, the system display the sch

🖁 Central Contr	ol - 18.5.15-30												- - X
Consoles					_	\sim							· · ·
Console	,	├─── (Master Mode		Υ								
	Name Unassigned			Schedule Heati and DHW Zone	ng Is	All Heating Zones Off		All Zo	Heating nes On			All Heating and DHW Zones Off	
				100 M				1					
				Heating Zones folk DHW follows Sche	ow Schedule edule	Heating Z DHW follo	ones are Constant Of ws Schedule	f All DH	Heating Zor W follows S	nes are Constant Schedule	On	All Heating Zones are Constant O DHW is Constant Off	*
Zone #	Name	Sun 🔍 Mon	∩ Tue ∩ \	— Wed © Thur	● Fri ● Sa	t Lock	Mode	SP(°C)	T(°C)	Heating Scheduled State	Heating Actual State	Comms State	
1	Zone 1	(22°C) 07	:00 - 10:00;		-	2	Schedule -	21°C	19°C	On	On	4	=
2	Zone 2	(22°C) 07	:00 - 10:00;				Schedule -	21°C	23°C	Off	Off	1	
3	Zone 3	(22°C) 07	:00 - 10:00;			Ø	Schedule +	21°C	21°C	Off	Off	4	
4	Zone 4	(22°C) 07	:00 - 10:00;			ð	Schedule 👻	21°C	23°C	Off	Off	√	

Other Modes:

٦

Other Modes: If master mode set to [All Heating OFF] [All Heating ON] OR [All Heating & DHW OFF] Sch has no effect and the stats of the sch is removed

🖳 Central Control -		2							-	×
Consoles			_							^
Console	laster Mode		(
Name Unassigned		Schedule Heating	9	All Heating	1	All Heatin	g		All Heating and	
		and DHW Zones		Zones Off		Zones On			DHW Zones Off	
	ļ	a*ar.	→ 、							
		2 A.		-19	J		J			
		Heating Zones follow	v Schedule	Heating 2	ones are Constant Off	All Heating	Zones are Constan	t On	All Heating Zones are Constant Off DHW is Constant Off	
		Drive follows Schedu		DHWIO	iws Schedule	Drivelouov	is scriedule		Shire a constant on	
Zone		_					Hanting	Upsting		
# Name OSun OMon	O Tue O	Wed () Thur	⊖Fri ⊖Sa	t Lock	Mode	SP(°C) T(°C)	Scheduled State	Actual State	Comms State	
1 Zone 1 (23°C) 08:15	16:16;			2	Schedule v	21°C 24°C		Off	4	
2 Zone 2 (23°C) 08:15	16:16:			<u> </u>	On 1 Hour 🗤	21°C 24°C		Off	4	
3 Zone 3 (23°C) 08:15	- 16:16;			ă	Stop 🗸	21°C 26°C		Off	4	
4 Zone 4 (23°C) 08:15	- 16:16;			ĕ	Schedule v	21°C 26°C		Off	4	
)				0						



Scheduling

Select a zone Schedule 100

		e e las par less less stri tri			
₫ ₩ ₩	1 Zone 1 Tore is no schedule organise	DTC (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c			
Connection not extended and	2 Zone 2 There is no schedule programme	ell for this some for this day. Heading is OFF Schedule • 21 (2) CC			
	4 Zone 4 There is no schedule programme	ed for this pone for this day. Hisading is 007 Schwadze • [21]			
	5 Zone 5 There is no achedule programme 6 Zone 6 There is no achedule programme	el for this some for this day. Heading is OFF Schedule 21 (2) 00 el for this some for this day. Heading is OFF Schedule 21 (0) 000			
	7 Zona 7 There is no schedulin programme	ed for this zone for this day. Heading is OVF Schedule • 21 (2) 0°C			
Noter Note	B Zone 1 There is no schedule properties	ed for the same for this day. Heading is OFF Schedule • 21 (5) 0°C editor to same for this day. Heading is OFF Schedule • 21 (5) 0°C editor to same for this day. Heading is OFF			
Heating Zones Islaw Schedule	10 Zone 10 There is no schedule programme	ed for this zone for this day. Heading is OV7 Schodule - 21 (2) 010			
DHW follows Schedule	11 Zone 11 There is no schedule programme	ed for the zone for the day. Heading is OFF Schedule • [21] [-] D*C			
All Heating Zones Off	13 Zone 13 Concerta C	et for this same for this day. Heading is OFF Schedule • 21 (2) 00			
Heating Zones are Constant Of	14 Zone 14 There is no schedule programme	ed for this some for this day. Heading is OFF Schwidzle + 21 (b) 0°C			
DHWfelows Schedule	15 Zone 15 There is no schedule programme 16 Zone 18 There is no schedule programme	ed for this zone for this day. Heading is OFF Schedule 21 (2) DC effor this zone for this day. Heading is OFF Schedule 21 (2) DC			
All Heating Zones On	17 Zam 17 Miles and screene programme	en for the pine for the bay Heading a Con Schedule • 3 [9] 0'C			
All Heading Zones we Conduct On	10 Zone 18 There is no achedule programme	ed for the same for this day. Heading is OFF Schedule • 2 9 00 000			
	20 Zone 20 (c) Case of the set of	ed for this sone for this day. Heading is OFF Schedule • 2 1			
All Heating and DHW Zones Off	21 Zone 21 These is no schedule programme	ad for this some for this day. Heading is OFF Schedule + 3 🤄 D'C			
All Heating Zones are Constant Of DHW is Constant Of	22 Zane 22 There is no schedule programme	ed for this some for this day. Heading is OFF Schedule • 2 (5) 0°C			
	24 Zone 24 Since in the schedule programme	ed for this zone for this day. Heading is OFF Schedule • 2 📳 D'C			
	25 Zame 25 There is no schedule programme 26 Zone 16 Control of There is no schedule programme	ed for this spine for this day. Heading is OFF Schedule • 2 10 00 0°C			
	27 Zone 27 [-Silling] There is no schedule programme	el for the zone for the day. Heading is OFF Schedule • 10 01			
	28 Zone 28 Twee is no schedule programme	ed for this some for this lifey. Heading is OFP Schedule - 2 6			
			1 10 07 00:00 00:00,	- 37.7.1	
EditZoneSchedule					
Zone #1 - Zon	e 1				
Time Slot	Set-Point Start Time	e End Time			
	Hour M	Ain Hour Min			
	nour in	in the second			
#1	0 🔷 0 🔷 0	÷ 0 ÷			
#1	0 🖨 0 🖨 0				
#1					
#1					
#1					
#1	0 1 0 1 0				
#1		★ 0 ★ 0 ★			
#1					
#1 Apply To					
#1 Apply To					
#1 Apply To Day	0 🔊 0 💌 0				
#1 Apply To Day	0 👘 0 👘 0	⊕	#17 III 7cm 17	#25 · · · · 7cm 25	
#1 Apply To Day Sunday	0 n 0 n 0	 ∅ ⊕ ∅ ⊕	#17 Cone 17	#25 🔲 Zone 25	
#1 Apply To Day Sunday Monday	0 🖈 0 💌 0 Zone #2 💽 Zone 2	₩9 [] Zone 9 #10 [] Zone 10	#17 Cone 17 #18 Zone 18	#25 📄 Zone 25 #26 📄 Zone 26	
#1 Apply To Day Sunday Monday	0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 () 0 ()	#9 Zone 9 #10 Zone 10	#17 Zone 17 #18 Zone 18 #19 Zone 19	#25 Zone 25 #26 Zone 26 #27 Zone 26	
#1 Apply To Day Sunday Monday Tuesday	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	#9 Zone 9 #10 Zone 10 #11 Zone 11	#17 Zone 17 #18 Zone 18 #19 Zone 19	#25 Zone 25 #26 Zone 26 #27 Zone 27	
#1 Apply To Day Sunday Monday Tuesday Wednesday	0 👘 0 👘 0 Zone #2 🛛 Zone 2 #3 🔄 Zone 3 #4 💭 Zone 4	#9 2one 9 #10 Zone 10 #11 Zone 11 #12 Zone 12	#17 Zone 17 #18 Zone 18 #19 Zone 19 #20 Zone 20	#25 Zone 25 #26 Zone 26 #27 Zone 27 #28 Zone 28	
#1 Apply To Day Sunday Sunday Tuesday Wednesday	0 (m) 0 (m) 0 Zone #2 Zone 2 #3 Zone 3 #4 Zone 4 #5 Zone 5	#9 Zone 9 #10 Zone 10 #11 Zone 11 #12 Zone 12 #13 Zone 12	#17 Zone 17 #18 Zone 18 #19 Zone 18 #19 Zone 19 #20 Zone 20 #21 Zone 20	#25 Zone 25 #26 Zone 26 #27 Zone 27 #28 Zone 28 #29 Zone 28	
#1 Apply To Day Sunday Monday Tuesday Wednesday V Thursday	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	#9 2one 9 #10 Zone 9 #10 Zone 10 #11 Zone 11 #12 Zone 12 #13 Zone 13	#17 Zone 17 #18 Zone 18 #19 Zone 19 #20 Zone 20 #21 Zone 21	#25 Zone 25 #26 Zone 26 #27 Zone 27 #28 Zone 28 #29 Zone 29	
#1 Apply To Day Sunday Monday Tuesday Wednesday Finday Finday	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	#9 2one 9 #10 Zone 9 #10 Zone 10 #11 Zone 11 #12 Zone 12 #13 Zone 13 #14 Zone 14	#17 Zone 17 #18 Zone 18 #19 Zone 18 #19 Zone 19 #20 Zone 20 #21 Zone 21 #22 Zone 22	#25 Zone 25 #26 Zone 26 #27 Zone 27 #28 Zone 28 #29 Zone 29 #30 Zone 30	
#1 Apply To Day Sunday Monday Tuesday Wednesday Vednesday Thursday Friday	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	#9 Zone 9 #10 Zone 10 #11 Zone 11 #12 Zone 11 #13 Zone 13 #14 Zone 14 #15 Zone 15	#17 Zone 17 #18 Zone 17 #18 Zone 18 #19 Zone 19 #20 Zone 20 #21 Zone 21 #22 Zone 22 #23 Zone 22	#25 Zone 25 #26 Zone 26 #27 Zone 27 #28 Zone 28 #29 Zone 29 #30 Zone 30 #31 Zone 31	
#1 Apply To Day Sunday Monday Tuesday Wednesday V Thursday Finday Saturday	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	#9 Zone 9 #10 Zone 10 #11 Zone 11 #12 Zone 12 #13 Zone 13 #14 Zone 14 #15 Zone 15	#17 Zone 17 #18 Zone 18 #19 Zone 19 #20 Zone 20 #21 Zone 21 #22 Zone 22 #23 Zone 23	#25 Zone 25 #26 Zone 26 #27 Zone 27 #28 Zone 28 #29 Zone 29 #30 Zone 30 #31 Zone 31	
#1 Apply To Day Sunday Monday Tuesday Wednesday V Thursday Friday Saturday	0 👘 0 👘 0 Zone #2 Zone 2 #3 Zone 3 #4 Zone 4 #5 Zone 5 #6 Zone 6 #7 Zone 7 #8 Zone 8	#9 2one 9 #10 2one 10 #11 2one 11 #12 2one 12 #13 2one 13 #14 2one 14 #15 2one 15 #16 2one 16	#17 Zone 17 #18 Zone 18 #19 Zone 18 #19 Zone 19 #20 Zone 20 #21 Zone 21 #22 Zone 22 #23 Zone 23 #24 Zone 24	#25 Zone 25 #26 Zone 26 #27 Zone 27 #28 Zone 28 #29 Zone 29 #30 Zone 30 #31 Zone 31 #32 Zone 32	
#1 Apply To Day Sunday Sunday Monday Tuesday Wednesday Vednesday Thursday Friday Saturday	0	#9 Zone 9 #10 Zone 10 #11 Zone 11 #12 Zone 12 #13 Zone 13 #14 Zone 14 #15 Zone 15 #16 Zone 16	#17 Zone 17 #18 Zone 17 #18 Zone 18 #19 Zone 19 #20 Zone 20 #21 Zone 21 #22 Zone 22 #23 Zone 23 #24 Zone 24	#25 Zone 25 #26 Zone 26 #27 Zone 27 #28 Zone 28 #29 Zone 29 #30 Zone 30 #31 Zone 31 #32 Zone 32	
#1 Apply To Day Sunday Monday Tuesday Wednesday V Thursday Finday Saturday	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	#9 Zone 9 #10 Zone 10 #11 Zone 11 #12 Zone 12 #13 Zone 13 #14 Zone 14 #15 Zone 15 #16 Zone 16	#17 Zone 17 #18 Zone 18 #19 Zone 18 #19 Zone 19 #20 Zone 20 #21 Zone 21 #22 Zone 22 #23 Zone 23 #24 Zone 24	#25 Zone 25 #26 Zone 26 #27 Zone 27 #28 Zone 28 #29 Zone 29 #30 Zone 30 #31 Zone 31 #32 Zone 32	
#1 Apply To Day Sunday Monday Tuesday Wednesday Wednesday Thursday Friday Saturday	0 📩 0 👘 0 Zone #2 Zone 2 #3 Zone 3 #4 Zone 4 #5 Zone 5 #6 Zone 6 #7 Zone 7 #8 Zone 8	#9 Zone 9 #10 Zone 10 #11 Zone 11 #12 Zone 12 #13 Zone 13 #14 Zone 14 #15 Zone 15 #16 Zone 16	#17 Zone 17 #18 Zone 18 #19 Zone 18 #19 Zone 19 #20 Zone 20 #21 Zone 21 #22 Zone 22 #23 Zone 23 #24 Zone 24	#25 Zone 25 #26 Zone 26 #27 Zone 27 #28 Zone 28 #29 Zone 29 #30 Zone 30 #31 Zone 31 #32 Zone 32	
#1 Apply To Day Sunday Sunday Useday Useday Fiday Saturday Clear Al	0	#9 Zone 9 #10 Zone 10 #11 Zone 11 #12 Zone 12 #13 Zone 13 #14 Zone 14 #15 Zone 15 #16 Zone 16	#17 Zone 17 #18 Zone 17 #18 Zone 18 #19 Zone 19 #20 Zone 20 #21 Zone 21 #22 Zone 21 #22 Zone 22 #23 Zone 23 #24 Zone 24	#25 Zone 25 #26 Zone 26 #27 Zone 27 #28 Zone 28 #29 Zone 29 #30 Zone 30 #31 Zone 31 #32 Zone 32	
#1 Apply To Day Sunday Monday Tuesday Vednesday Venesday Friday Friday Clear All Check All	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	#9 2one 9 #10 Zone 10 #11 Zone 11 #12 Zone 12 #13 Zone 13 #14 Zone 14 #15 Zone 15 #16 Zone 16	#17 Zone 17 #18 Zone 17 #18 Zone 18 #19 Zone 19 #20 Zone 20 #21 Zone 21 #22 Zone 22 #23 Zone 23 #24 Zone 24	#25 Zone 25 #26 Zone 26 #27 Zone 27 #28 Zone 28 #29 Zone 29 #30 Zone 30 #31 Zone 31 #32 Zone 32	
#1 Apply To Day Sunday Monday Tuesday Vednesday Vednesday Friday Saturday Clear All Check All	0 👘 0 👘 0 Zone #2 Zone 2 #3 Zone 3 #4 Zone 4 #5 Zone 5 #6 Zone 6 #7 Zone 7 #8 Zone 8 Clear All Check All Apply	#9 Zone 9 #10 Zone 10 #11 Zone 11 #12 Zone 12 #13 Zone 13 #14 Zone 14 #15 Zone 15 #16 Zone 16	#17 Zone 17 #18 Zone 18 #19 Zone 18 #19 Zone 19 #20 Zone 20 #21 Zone 21 #22 Zone 22 #23 Zone 23 #24 Zone 24	#25 Zone 25 #26 Zone 26 #27 Zone 27 #28 Zone 28 #29 Zone 29 #30 Zone 30 #31 Zone 31 #32 Zone 32	



6. Summary Note:

Setup Notes:

- At Each Console
 - Setup IP address in Windows (DCHP OR Fixed IP Address)
 - Setup Modbus Slave (Type {TCPIP}, ID, Enable Comms, ID Address, Socket =3333)
- At PC
 - Set up each Console (Type {TCPIP}, ID, Enable Comms, ID Address, Socket =3333)
 - Assign Console Name

Console	Maste
Name Ground Floor	
Name Ground Roor Setup ChkMasterMoo	de
Tick 2000 🚖 (ms) ErrNone	
Xmt >> [104:17] 1.6.12.133.0.18.0.0.	
Rcv << [104:151 1.3.6.0.1.0.0.0.28.181.	

• Exit application to save setting

Operation Notes:

- System will start communications (comms) with each console
- During each comms cycle, parts of the zone schedule will be transmitted down to a console.
- System starts with Console 1, Zone 1, 1st Schedule.
- As each parts of the schedule is transmitted down, the element that has been transmitted will be removed

4	2016 4	(22 C) 07.00 - 10.00,
5	Zone 5	(22°C) 07:00 - 10:00;
6	Zone 6	Hs-Ms-He-Me-(22°C) 07:00 - 10:00;
7	Zone 7	T-S-Hs-Ms-He-Me-(22°C) 07:00 - 10:00;

Notations: T (Qty Time Slots), S(SP), Hs (Hour Start), Ms (Min Start), He (Hour End), Me (Min End)

Notes: 1. The first time the system is run, it will download all the sch, for each zone & CURRENT day on each console

(12 ec per sch, e.g. 3 sch x 20 zone x 1 days x 3 console = 12 x 3 x 20 x 1 x 3 = 2160 Sec = 36 min)

- 2. Next days at 00:00 hr, it will download the next day
- 3. After the full schedules is download, the system only download modifications.