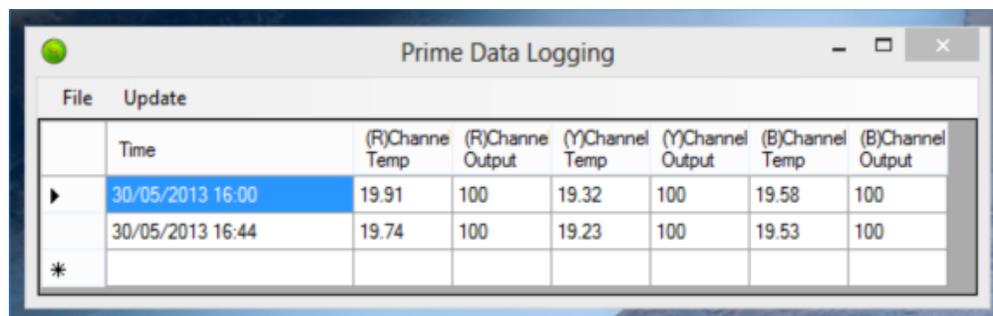


### DATA LOGGING

DATA LOGGING IS ACCESSED BY SELECTING THE DATA LOGGING BUTTON AT THE TOP OF THE SOFTWARE PAGE.

Data Logging

THE DATA LOGGING WINDOW WILL NOW OPEN DISPLAYING DATA THAT HAS BEEN COLLECTED.



File	Update	(R)Channe Temp	(R)Channe Output	(Y)Channel Temp	(Y)Channel Output	(B)Channel Temp	(B)Channel Output
	30/05/2013 16:00	19.91	100	19.32	100	19.58	100
	30/05/2013 16:44	19.74	100	19.23	100	19.53	100
*							

THIS DATA CAN BE EXPORTED BY SELECTING FILE THEN EXPORT. THIS WILL ALLOW YOU TO OPEN THE DATA IN A SPREADSHEET PROGRAM AND PRODUCE GRAPHS SHOULD YOU WISH TO DO THIS.

### SAVING SETTINGS

IT IS POSSIBLE TO SAVE ALL OF YOUR THERMOSTAT SETTINGS. BY SELECTING FILE THEN SAVE. A PRIME VALUES FILE WILL BE SAVED WHICH CAN BE LOADED ONTO OTHER PRIME UNITS OR TO KEEP AS A BACKUP OF YOUR SETTINGS.



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## SOFTWARE GUIDE

**IMPORTANT - PLEASE INSTALL THE USB DRIVERS AVAILABLE IN THE PRIME SETUP DOWNLOAD BEFORE INSTALLING THE SOFTWARE PACKAGES**



### SOFTWARE PACKAGES

THERE ARE 2 SOFTWARE PACKAGES AVAILABLE TO DOWNLOAD FOR THE PRIME THERMOSTATS. PRIME SETUP IS USED FOR EDITING SETTINGS ON THE PRIME THERMOSTATS AND PRIME UPDATER IS USED FOR UPDATING THE SOFTWARE ON THE PRIME THERMOSTAT.

### INSTALLING PRIME SOFTWARE

TO INSTALL THE PRIME SOFTWARE PLEASE VISIT [WWW.MICROCLIMATE.CO.UK](http://WWW.MICROCLIMATE.CO.UK) AND GO TO THE PRIME PAGE. CLICK ON THE PRIME SOFTWARE DOWNLOAD LINK. ONCE THE FILE HAS DOWNLOADED UNZIP THE FOLDER BY CLICKING ON THE DOWNLOADED ICON. THE FIRST THING TO DO IS TO INSTALL THE DRIVERS THAT ARE INCLUDED IN THE FOLDER. WITHOUT INSTALLING THESE DRIVERS THE COMPUTER WILL NOT DETECT THE PRIME THERMOSTAT. ONCE THE DRIVERS ARE INSTALLED CLICK THE PRIME SETUP.EXE THIS WILL THEN INSTALL THE PRIME SETUP SOFTWARE ON YOUR COMPUTER.

### PRIME UPDATER SOFTWARE

THE PRIME UPDATER SOFTWARE IS USED FOR UPGRADING THE FIRMWARE ON YOUR PRIME THERMOSTAT. TO INSTALL PRIME UPDATER PLEASE VISIT [WWW.MICROCLIMATE.CO.UK](http://WWW.MICROCLIMATE.CO.UK) AND GO TO THE PRIME PAGE. CLICK ON THE PRIME UPDATER DOWNLOAD ICON. ONCE THE FILE HAS DOWNLOADED UNZIP THE FILE AND CLICK THE SETUP.EXE ICON. THE PRIME UPDATER SOFTWARE WILL NOW INSTALL ON THE COMPUTER.

### CONNECTING PRIME TO A COMPUTER

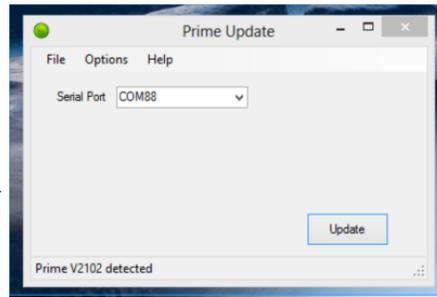
INCLUDED IN THE BOX WITH THE PRIME THERMOSTAT IS USB A TO B CABLE. CONNECT THE USB CABLE BETWEEN THE COMPUTER AND THE THERMOSTAT. ANY USB A TO B CABLE CAN BE USED IF YOU REQUIRE A LONGER OR SHORTER LENGTH THAN THE SUPPLIED CABLE.

### IF YOUR COMPUTER CANNOT SEE THE PRIME

IF YOUR COMPUTER CANNOT DETECT THE PRIME IT MAY BE DUE TO THE COM PORT ON THE COMPUTER. IN PRIME SETUP SELECT OPTION AND THEN COMMUNICATIONS. THIS WILL BRING UP A MENU FOR SELECTION OF THE COM PORT. AS DEFAULT THIS WILL BE SET TO AUTO. THERE WILL ALSO BE A LIST OF OTHER COM PORTS AVAILABLE, TRY USING THE DIFFERENT COM PORTS TO COMMUNICATE TO THE PRIME. WHEN USING THE PRIME UPDATER SOFTWARE THERE IS A DROP DOWN MENU THAT IS LABELLED SERIAL PORT AGAIN TRY SELECTING A DIFFERENT COM PORT.

## UPDATING THE SOFTWARE ON THE PRIME

TO CHECK TO SEE IF YOUR PRIME SOFTWARE IS UP TO DATE CONNECT YOUR PRIME TO THE COMPUTER USING THE USB CABLE AND ENSURE THE COMPUTER IS CONNECTED TO THE INTERNET. OPEN THE PRIME UPDATE SOFTWARE. CLICK THE UPDATE BUTTON. THE SOFTWARE WILL THEN CHECK TO SEE IF A NEWER PRIME SOFTWARE IS AVAILABLE AND INSTALL THE UPDATE. IF THE PRIME UPDATER SHOWS NO PRIME FOUND THEN SELECT A DIFFERENT PORT FROM THE SERIAL PORT DROP DOWN MENU AND CLICK UPDATE AGAIN. WHILE THE PRIME IS BEING UPDATED ENSURE THAT THE COMPUTER DOES NOT SWITCH OFF DURING THE UPDATE.

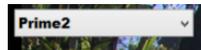


## PRIME SETUP SOFTWARE

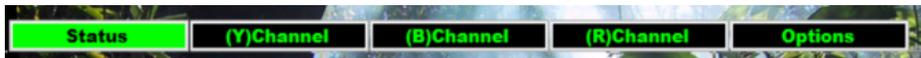
THE PRIME SETUP SOFTWARE ALLOWS FULL CONTROL OF THE THERMOSTAT IN A SIMPLE TO USE SOFTWARE PROGRAM. TO START USING THE PRIME SETUP SOFTWARE CONNECT THE PRIME TO YOUR COMPUTER USING THE USB CABLE. OPEN THE PRIME SETUP SOFTWARE. YOU WILL NOW SEE THE HOME SCREEN OF THE SETUP SOFTWARE. IF THE PRIME ISN'T DETECTED THEN PLEASE ENSURE YOU HAVE INSTALLED THE DRIVERS FROM THE USB DRIVERS FROM THE ZIP FILE, IF THE PRIME STILL IS NOT DETECTED BY THE SOFTWARE CLICK OPTIONS IN THE TOP MENU BAR AND SELECT COMMUNICATIONS, TRY USING A DIFFERENT COM PORT FROM THE LIST. WHEN A SETTING IS ENTERED INTO THE PRIME SETUP SOFTWARE AFTER A FEW SECONDS THE SOFTWARE WILL AUTOMATICALLY UPDATE THE THERMOSTAT.

## USING MORE THAN ONE PRIME THERMOSTAT

MULTIPLE PRIME THERMOSTATS CAN BE CONNECTED TO THE COMPUTER AT ANY ONE TIME. TO SWITCH BETWEEN YOUR THERMOSTATS CLICK THE DROP DOWN MENU AT THE TOP OF THE SCREEN, ALL CONNECTED PRIMES WILL BE SHOWN IN THE MENU SELECT ONE TO EDIT THE OPTIONS FOR THAT THERMOSTAT.



## MENU BAR



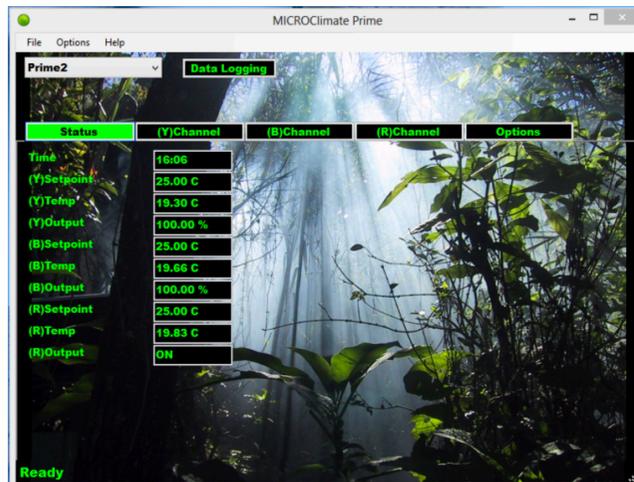
THE MENU BAR IS DISPLAYED ON THE PRIME SETUP SCREEN AT ALL TIMES. FROM HERE YOU CAN SELECT EACH CHANNEL INDIVIDUALLY, VIEW THE STATUS SCREEN AND SELECT THE THERMOSTAT OPTIONS MENU

## STATUS SCREEN

THE STATUS SCREEN GIVES A REALTIME READOUT OF THE OPERATION FOR EACH CHANNEL. THIS INCLUDES THE SET TEMP, REALTIME TEMP AND THE OUTPUT LEVEL PER CHANNEL.

YOU CAN SET THE CLOCK FROM THE STATUS SCREEN BY ENTERING THE TIME IN 24HR FORMAT IN THE TIME BOX.

ONCE YOU HAVE ENTERED THE TIME AFTER A FEW SECONDS THE TIME ON THE PRIME THERMOSTAT WILL CHANGE.



## OPTIONS SCREEN

THE OPTIONS TAB ALLOWS YOU TO CHANGE THE THERMOSTAT NAME, CHANNEL NAMES, SCROLLING, UNITS (C OR F), DATA LOGGING PERIOD AND THE DISPLAY CONTRAST.

TO CHANGE THE THERMOSTAT NAME OR CHANNEL NAME SIMPLY ENTER THE NEW NAME IN THE BOX. AFTER A FEW SECONDS THE NAME WILL BE CHANGED IN THE PRIME SOFTWARE AND ON THE PRIME UNIT ITSELF. THIS IS USEFUL TO REMEMBER WHICH CHANNEL IS CONTROLLING DIFFERENT SOURCES IN THE VIV.

SCROLLING CAN BE SELECTED BETWEEN ON/OFF FROM THE DROP DOWN MENU.

UNITS CAN BE SELECTED BETWEEN C AND F FROM THE DROP DOWN MENU.

LOGGING PERIOD IS ENTERED IN MINUTES THE DEFAULT IS 60 WHICH WILL RECORD A DATA LOG EVERY 60 MINUTES FOR EACH CHANNEL.

CONTRAST WILL CHANGE THE DISPLAY CONTRAST ON THE PRIME THERMOSTAT.

## CHANNEL SCREENS

THERE ARE 2 CHANNEL SCREENS ON A PRIME 1 AND 3 CHANNEL SCREENS ON A PRIME 2.

YOU CAN SELECT EACH INDIVIDUAL CHANNEL BY CLICKING ON THE CORRESPONDING MENU FROM THE MENU BAR.

THE CHANNEL DISPLAY CHANGES DEPENDING ON THE SETTINGS THAT ARE SELECTED DEPENDING ON THE OPTIONS AVAILABLE.

MODE ALLOWS YOU TO SELECT THE CONTROL MODE BETWEEN HEATING, COOLING AND CONSTANT.

TIMING GIVES THE OPTIONS FOR CONSTANT, DAY&NIGHT, MULTI AND PERIODIC. THE BOX ON THE RIGHT HAND SIDE OF THE SCREEN WILL CHANGE DEPENDING ON THE OPTION SELECTED TO ALLOW TIMING AND TEMPERATURE SETTINGS TO BE ENTERED.

METHOD ALLOWS THE SELECTION BETWEEN DIMMING, PULSE AND ON/OFF CONTROL.

RAMP TIME CONTROLS HOW FAST THE THERMOSTAT REACTS TO TEMPERATURE CHANGE FOR EXAMPLE WHEN SWITCHING BETWEEN DAY AND NIGHT SETTINGS.

ALARM DELAY CAN BE SET TO ALLOW A PERIOD OF TIME BEFORE THE ALARM IS ACTIVATED.

MINIMUM AND MAXIMUM TEMP ARE USED FOR SETTING THE TEMPERATURES THAT THE LOW AND HIGH TEMP ALARMS ARE ACTIVATED.

DIFFERENTIAL IS USED TO SET HOW THE THERMOSTAT REACTS AROUND THE SET TEMPERATURE.

