



# WELCOME TO ELECTAIR CONNECT FUNCTIONS

[WWW.ELECTAIRCONNECT.CO.UK](http://WWW.ELECTAIRCONNECT.CO.UK)



**WITH ELECTAIR CONNECT...**

**YOU CAN CONTROL MOST ELECTRICAL EQUIPMENT**

**(ORIGINALLY DESIGNED FOR SWIMMING POOLS AND SPAS)**



# WITH ELECTAIR CONNECT...

## YOU CAN DO THIS WITH SWIMMING POOLS

- ✓ Set multi channel time schedules that can switch ON/OFF or change a setting (ie: for pump or temperature at a pre set time or after a delay such as after a door closes)
- ✓ Go to auto backwash sequence if a pressure is reached for a given set time - this can be at the end of that day
- ✓ Remote switch any other equipment and change time schedules
- ✓ Auto control water level of balance tanks with monitoring
- ✓ Typical high level alarm at the top - excess level in balance tank because of leakage of NRV to put water from tank back into pool if pump is in OFF timed period
- ✓ Level control float for standard level control
- ✓ Bottom of tank pump stop if auto fill has been interrupted to prevent pump damage
- ✓ All with remote monitoring and optional alarms (very useful with fill monitored on graph - can show if a leak has developed or any other fault developed)
- ✓ Monitor electrical energy usage
- ✓ Monitor water and gas usage with a pulse meter added



# WITH ELECTAIR CONNECT...

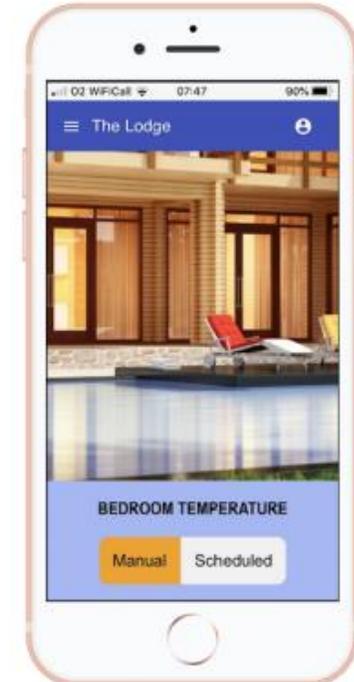
## YOU CAN DO THIS WITH INDUSTRIAL EQUIPMENT

- ✓ Set multi channel time schedules that can switch ON/OFF or change a setting (ie: for pump or temperature at a pre set time or after a delay such as after a door closes)
- ✓ Control and monitor
- ✓ Any ON/OFF timed load
- ✓ Monitor energy usage
- ✓ Count people or livestock in and out
- ✓ Monitor pressure
- ✓ Monitor flow
- ✓ Get any alarms
- ✓ Monitor depth
- ✓ Basically get on to a web page graph any parameter
- ✓ Remotely change any sequence control or setting



# Installation Instructions

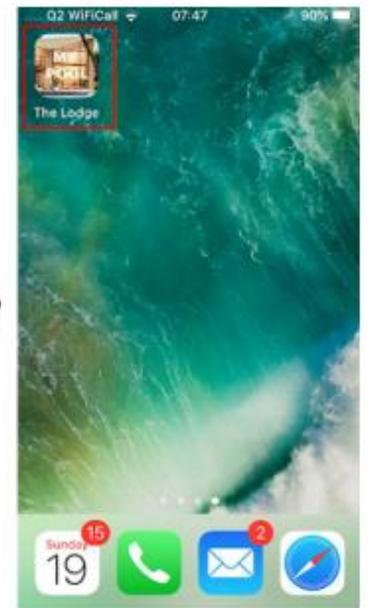
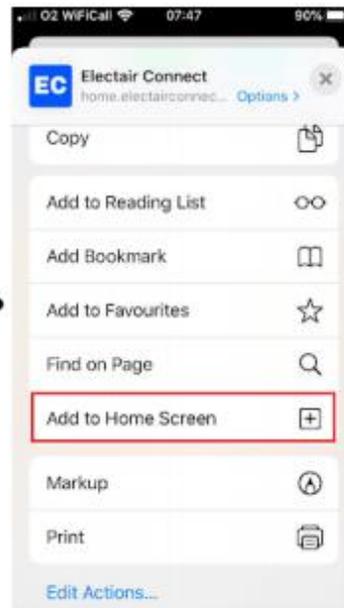
Electair Connect can be installed on your smartphone or used on your desktop/tablet computer by visiting [home.electairconnect.co.uk](http://home.electairconnect.co.uk) and logging in with your credentials as provided to you after the installation of the system. The application works on a wide variety of platforms, including Mac, iOS, Android, Windows and Linux.





## Apple (iOS)

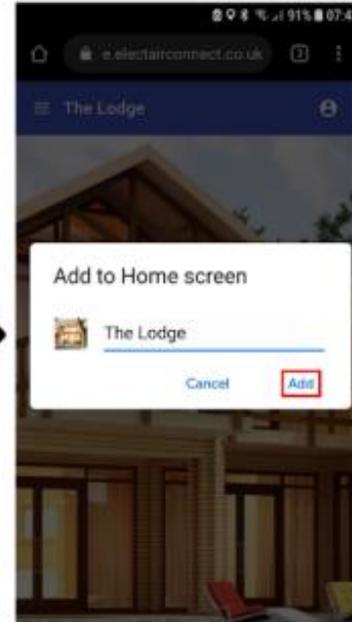
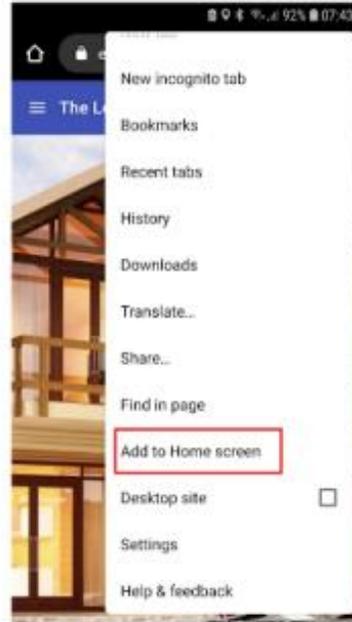
To install the App on your iOS device, visit [home.electairconnect.co.uk](https://home.electairconnect.co.uk) in the Safari browser and log in using your credentials. You will be presented with the dashboard, next, tap the share button on the screen and tap 'Add to Home Screen'. Finally, tap 'Add' and the App will install onto your device. Your home screen will now show the app, tap it to login.





## Android

To install the App on your Android device, visit [home.electairconnect.co.uk](https://home.electairconnect.co.uk) in the Chrome browser and log in using your credentials. You will be presented with the dashboard, next, tap the more icon and tap 'Add to Home Screen'. Finally, tap 'Add' and the App will install onto your device. Your home screen will now show the app, tap it to login.





# Scheduler Configuration

Electair Connect provides a powerful seven-day scheduler, allowing you minute-by-minute granularity control of all remote setpoints configured for your installation. Your installation will come pre-configured with Schedules, so you will just need to adjust them to suit your needs. Watch the scheduler tutorial for more information.

Pool Filter > Default SAVE

MON TUE WED THU FRI SAT SUN

### Monday

00:00

30  Medium

Pool Setpoint Pump Speed Setpoint

Time 07:00

35  Medium

Pool Setpoint Pump Speed Setpoint

Time 08:00

35  Fast

Pool Setpoint Pump Speed Setpoint

+



# TYPICAL ELECTAIR CONNECT LAYOUT

YOUR SITE NAME

1 - POOL ← Click here to select view

Views  
Graphs  
Schedules  
Datapoints

West View  
The Lodge  
Parkside  
Newport View  
Demo

AIR TEMPERATURE  
20.3°C  
POOL TEMPERATURE  
29.6°C

Temperature Setpoint  
29.5°C

Heating  
Off  On

Filter Pump  
Off  On

Pool Lights  
Off  On

Apply Changes

Manual Scheduled

Manual Scheduled

Manual Scheduled

Manual Scheduled

Engineering © YOUR COMPANY NAME - Electair Exports Powered by Omnistratus Limited Pool Schedule

Other functions can be selected on order

If you are an engineer and your company has multi sites, select them here

Click to select manual or scheduled

You can send us an image of your site to use in the background

Green is on, red is off

You MUST click here to apply changes



# TYPICAL ENGINEERING LAYOUT

To include your requested specifications

YOUR SITE NAME

3 - ENGINEERING

## Engineering

Panel Controlled	Controls4 Controlled	ElectairConnect Controlled	Pit Pump Alarm
False	False	True	False
Jet 1 ON	Jet 2 ON	Pool Pump ON	Spa Pump ON
False	False	True	False
Air ON	Spa Heating ON	Pit Pump Running	Waterfall ON
False	False	True	On

Pool Control

Spa Control

Pool Schedule

Spa Schedule



# TYPICAL GRAPHS

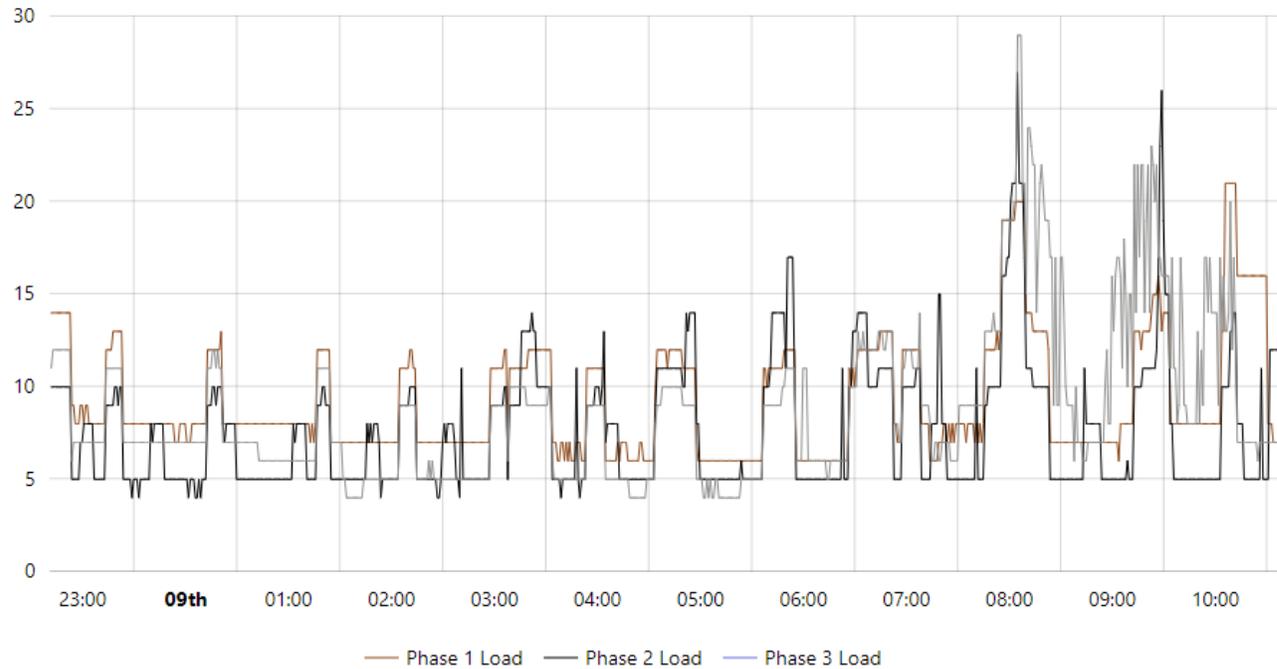
## Showing Electrical Load

3 Phase installation with GSHP

### Graphs

Time Selection: 1h 3h 12h 1d 3d 1w 2w

Electrical Usage (Amps)





# TYPICAL GRAPHS

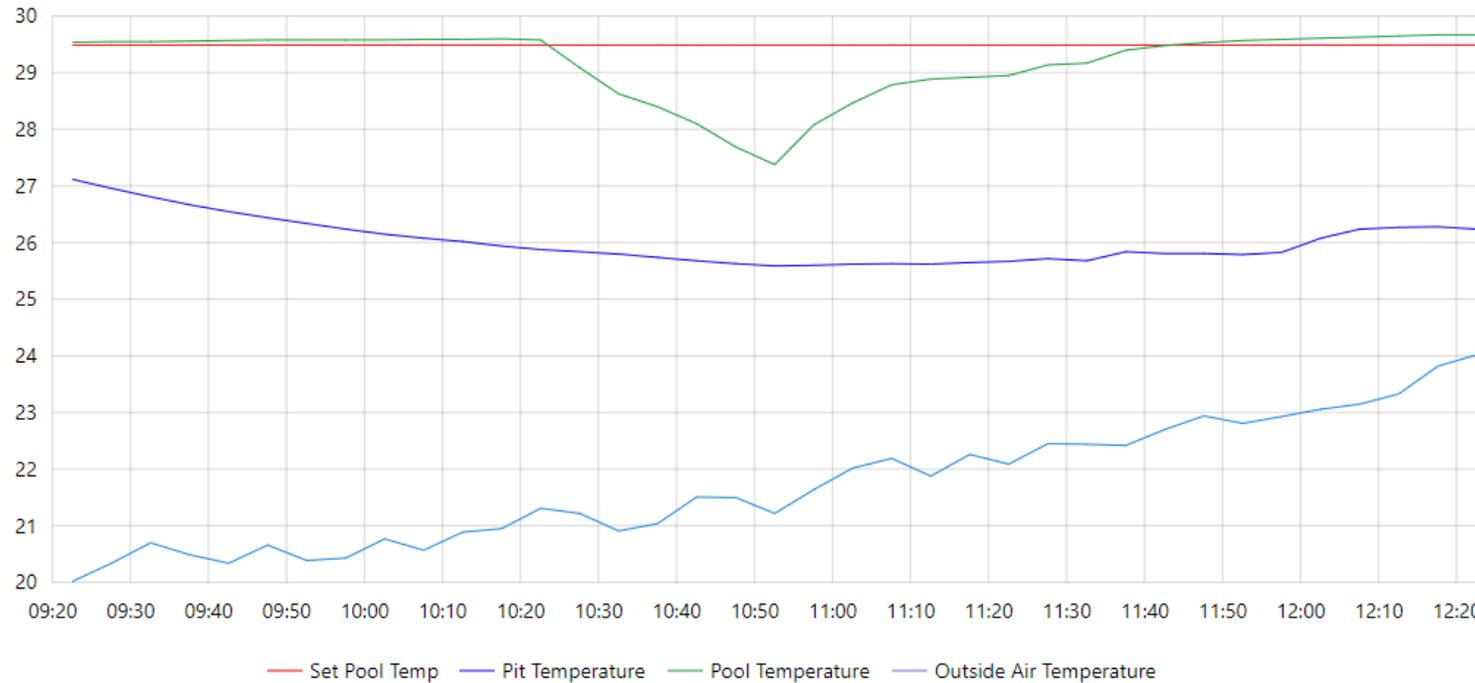
## Showing Temperatures

Displays example of temperature dropping when pump is switched off at approximately 10.25

### Graphs

Time Selection: 1h **3h** 12h 1d 3d 1w 2w

#### Temperatures





# VIDEO TUTORIAL

View a video tutorial on setting a schedule here:  
<https://youtu.be/Lph9Hh8FYFc>



# TYPICAL SITES

YOUR SITE NAME

POOL TEMPERATURE

## 28.5°C

Phase 1 Amps 27A Boiler Flow Temperature 65.8°C	Phase 2 Amps 21A Pump Speed Normal	Phase 3 Amps 24A Outside Temperature 22.3°C	Temperature Setpoint 29°C Manual Scheduled	Pump Setpoint Normal Manual Scheduled
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Spa Control   Engineering   Pool Schedule

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YOUR SITE NAME

POOL TEMPERATURE

## 28.7°C

Phase 1 Amps 13A	Phase 2 Amps 10A Boiler Flow Temperature 40.06°C	Phase 3 Amps 13A
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Spa Control

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YOUR SITE NAME

27.51°C  
OUTSIDE TEMPERATURE

POOL TEMPERATURE  
20.49°C

Phase 1 Amps 32 Meter Reading 50	Pool Lights False <input checked="" type="checkbox"/> True Manual Scheduled	Garden Lights False <input checked="" type="checkbox"/> True Manual Scheduled	Pool Temperature Setpoint -1 Manual Scheduled	Pool Pump Setpoint Manual Scheduled
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Boiler Room   Apply Changes



# SELECTOR SWITCHES

On all panels there will be a selector switch so the user can have standard panel control as well as web control via Electair Connect or an alternative BMS system.

For any remote control system to be activated, the selector switch must be for that function and the front panel switch must be in Timed/Auto position. The same applies for any frost thermostat fitted - the pump three position switch must be in Timed/Auto position.

## ***Important***

*On all panels with remote heating control, the L1 thermostat set point will act as a high limit and the L2 will act for local control.*

Spas may have a separate high limit thermostat - see instructions on panel front.

# TIME SWITCH & THERMOSTAT SETTING

Additional resources and links to follow...

