



Quick Start Guide



Switching Option +3SW

Switching installation and configuration for the Auditor 6M+3SW (cellular) and 6W+3SW (WiFi)

Complete these four easy steps to start controlling loads and generation using the Auditor:

- 1. Before you begin**
- 2. Connect contactors**
- 3. Use the Onboarding tool**
- 4. Test the switching function**

This guide explains how to connect Auditor switching for load control. A range of wiring diagrams and detailed Application Notes for bespoke installations including solar export control are available at:

www.wattwatchers.com.au/support

ONLY use this Auditor with contactors from Wattwatchers.
This Auditor is NOT compatible with third-party contactors.

ATTENTION: Must be installed by a licensed electrician in accordance with standard electrical safety regulations in your jurisdiction.

1. Before you begin

Wattwatchers Auditors can be used to switch electrical loads and generation. The monitoring channels of the Auditor can be used to measure the load on switched circuits.

Before you attend site, ensure that you have the required additional equipment for switching - you'll need:

- (1) an internet-connected device (phone, tablet or computer) with login to the Wattwatchers onboarding tool and,
- (2) the Wattwatchers contactors with a suitable rating for the job.

Check that you have adequate DIN-rail space for the contactors. Each single-phase contactor requires 17.5mm and three-phase 35mm.

Plan your installation and determine which circuits will be switched and what monitoring circuits relate to each switch output.

2. Connect your contactors

Wattwatchers Auditors use switching contacts with a common 240V input for all three switches that is labelled \triangle

The three switching outputs are labelled 1, 2 and 3.

Connect P1 to \triangle in order to power the switches.

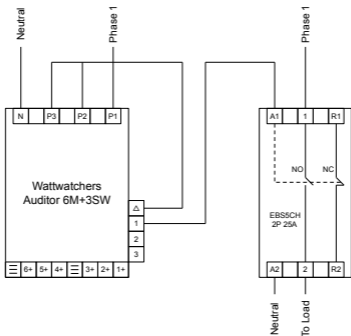
Connect each switch output you require to a contactor coil input, and terminate the coil output on neutral. Any number of switching outputs can be used.

It is recommended to install a CT to monitor each circuit that is switched.

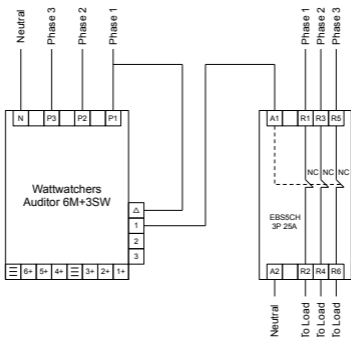
Use these configurations for Wattwatchers standard 25A contactors.

Contact type	Contact terminals
Single phase NO	1 & 2
Single phase NC	R1 & R2
Three phase NO	Not an option
Three phase NC	R1&R2 R3&R4 R5&R6

Single Phase Normally Open Contactor



Three Phase Normally Closed Contactor



Find more detailed information including:

- Detailed Application Notes for solar export control by inverter series.
- A range of wiring diagrams
- Digital copies of all documents at

www.wattwatchers.com.au/support

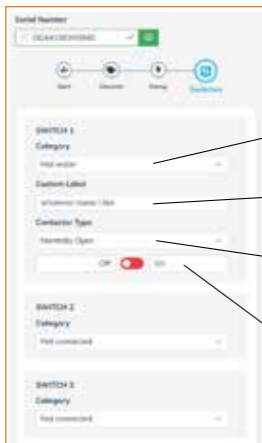
3. Use the onboarding tool

onboarding.wattwatchers.com.au

The Wattwatchers onboarding tool requires a login. This is where all device settings and labels are applied. It provides the tools for testing and commissioning.

Once logged into onboarding:

- Enter the device ID
- Select the switches tab from the top menu



Set the following:

- **Category** - choose from the standard list e.g. hot water
- **Custom Label** - enter a name that makes sense for end-users
- **Contactor Type** - select either normally open or normally closed
- **On/Off labels** - name descriptively for each state

If you are using the switching for solar disconnect, please refer to the Wattwatchers Application Notes that cover specific instructions for a broad range of inverters found at:

www.wattwatchers.com.au/support

4. Test the switching function

Three solid green lights means good -

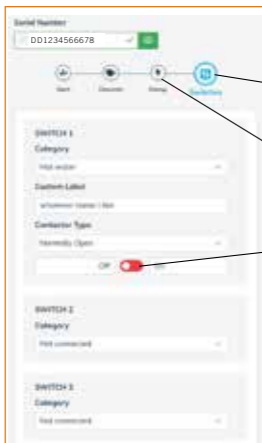
Once the Auditor is electrically installed for monitoring/control and has three green lights on the face (L1, L2, L3), test that the switching function works as expected.

For each switching output used, action these steps using the Wattwatchers onboarding application.



Step	Action	Confirm that...
1	Check contactor	The Control lever on contactor is set to ' Auto ' (if provided)
2	Confirm switch indicator light and contactor operation: In the Switches section, move the switch button for the switch being tested to ON .	1) The associated light on the face of the Auditor (S1, S2 or S3) changes red/blue within 10 seconds* 2) Listen for the contactor state change OR check indicator flag on the face of the contactor toggles.
3	Check that the related monitoring circuit shows a change in load as expected: Energy section in onboarding.	The related monitoring circuit shows the expected change. For NO contacts: Load is measured For NC contacts: load reduces
4	In the Onboarding app Switches section, move the switch button for the switch being tested to OFF .	The related monitoring circuit shows the expected change. For NO contacts: load reduces For NC contacts: load is measured
5	End test: In the Switches section, move the switch button for the switch being tested to the desired position for normal use.	

* LEDs on the Auditor 6M/6W+3SW are lit blue when the contactor coil is energised and red when the contactor coil is not energised.



- **Switches section**
Configure and name switches
- **Energy section**
Check energy measurements in real-time
- **Switch button**
Turn circuit on and off

Troubleshooting

If...	Then...
The three lights on the Auditor L1, L2 and L3 are NOT lit solid green.	Review the Quick Start Guide 'validate installation' section for your device.
If the Auditor switch light (S1, S2 or S3) changes as expected, but the contactor does not switch.	Check that: <ul style="list-style-type: none"> • If the contactor has a lever, ensure it is in the Auto position • 240V is measured at the common switch terminal Δ of the Auditor. • 240V is measured at the contactor coil when the switch indicator (S1, S2, S3) is blue. • The Neutral has been connected to the Coil output terminal (A2).