I N S T A L L   M A N U A L

EQSS Model6253 – OverWatch™ Snorkel TM12

** Failure to follow this installation manual will void warranty **

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DOCUMENT ABSTRACT:
This Installation Manual details the manufacturer's installation instructions for installing the Model6253 OverWatch™ on a Snorkel TM12 Scissor Lift.

PRODUCT NAME:
Model6253 OverWatch™ Operator Detection System

REFERENCE DOCUMENTS:
DO001195 Model6253 OverWatch - User Manual

CURRENT DOCUMENT REVISION:
1.1

REVISION INFORMATION:

- 1.1 Initial Document Creation for installation on a Snorkel TM12 Scissor Lift.

Important Information

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This is a class A product certified to AS/NZS CISPR 22:2006. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

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REV 1.1	1/03/2021	Model6253 OverWatch™ Installation Manual	Document # DO001312

Preparation

Required Tools

The OverWatch™ has been designed to be fitted using basic workshop tools. Shown below is a list of tools required to complete the installation

Item	Tool / Description
1	Electric Drill
2	Centre punch
3	Hammer
4	Side Cutters
5	Drill 3.2mm
6	Drill 5.0mm
7	Metric sockets or spanners
8	Needle nose pliers
9	Screw drivers

Installation Time

The suggested time required to install the OverWatch™ is as detailed below

Task	Estimated Time (Minutes)
Open the operator control box	1
Drilling of all mounting holes for the various components	13
Mechanical assembly	10
Electrical assembly	10
Post installation system tests	10
Close the operator control box	1
Total	**45**

Installation Instructions

Operator Sensor

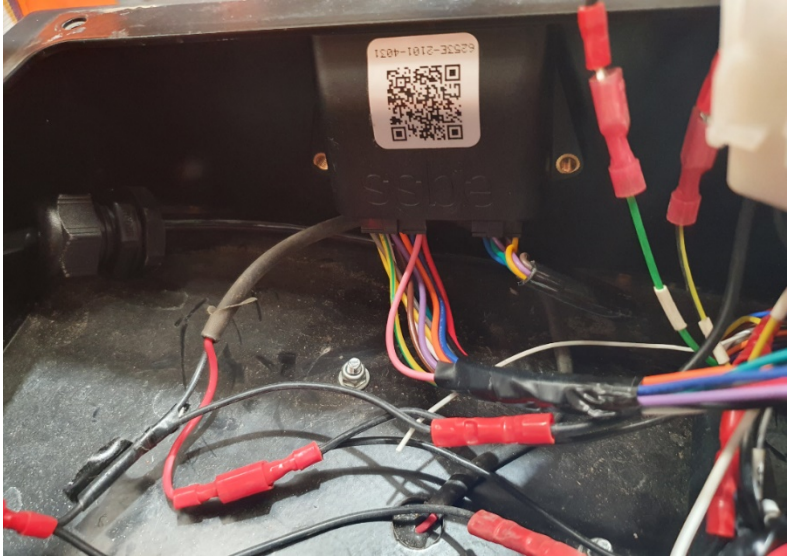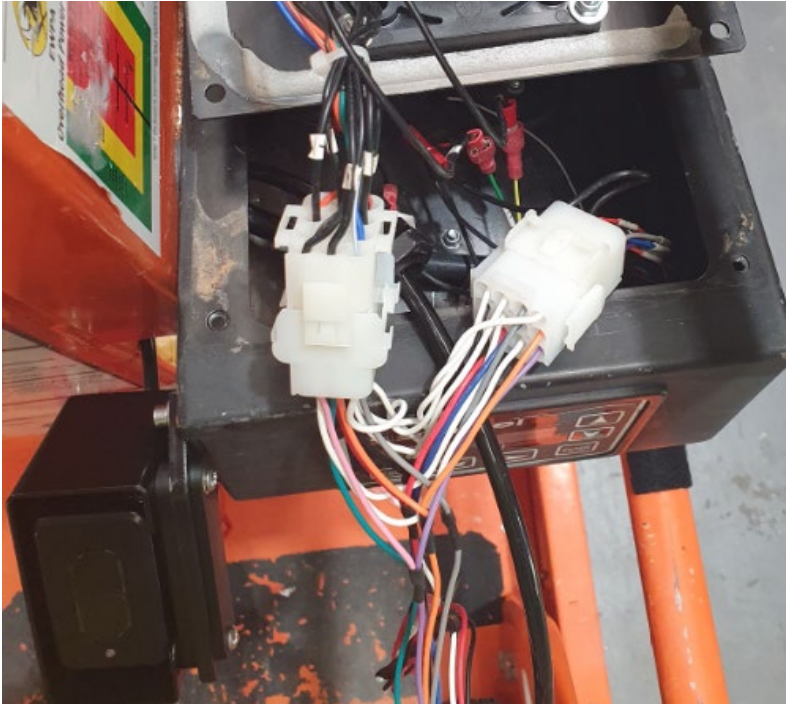| Step	Description	Diagram
1.	Mount the operator sensor to the supplied bracket, using the supplied M4 washers and security bolts, and position the bracket in the location as shown in the image.	
2.	Mount the module in the located position using the supplied M5 nuts, bolts, and washers.	

3.	Remove the front panel from the outer metal enclosure	
4.	Feed the wire from the operator sensor into the enclosure through the location shown in the photo. Use the cable tie to secure the cable.	

Control Module

Step	Description	Diagram
1.	Use the Velcro provided to mount the OverWatch™ ECU to the inside the box at the location nominated on the photo. Make sure to point the connection port downward.	
2.	Wiring connections are made by the Harness AS001995.	
4.	**Joystick Connection:** Disconnect the 12-Pin connector from the joystick and install the OverWatch™ Harness Joystick connector in series, as shown in the image.	

| 5. | Connect the 8-Pin connector from the Operator Sensor and the 12-Pin connector from the machine connection harness, into the Control Module and close up the control box. Take great care to ensure no cable are crushed while closing the box. | |

Post Installation Configuration

Overview

After the OverWatch™ has been installed it must be configured with the parameters to suit the machine. Follow the instructions below to configure the OverWatch™.

Minimum system requirements

Any smart phone, tablet or laptop that meets the following requirements:

- The device can connect to a Wi-Fi access point

- The device has an up to date web browser installed (2019 onwards). Firefox or Chrome are recommended.
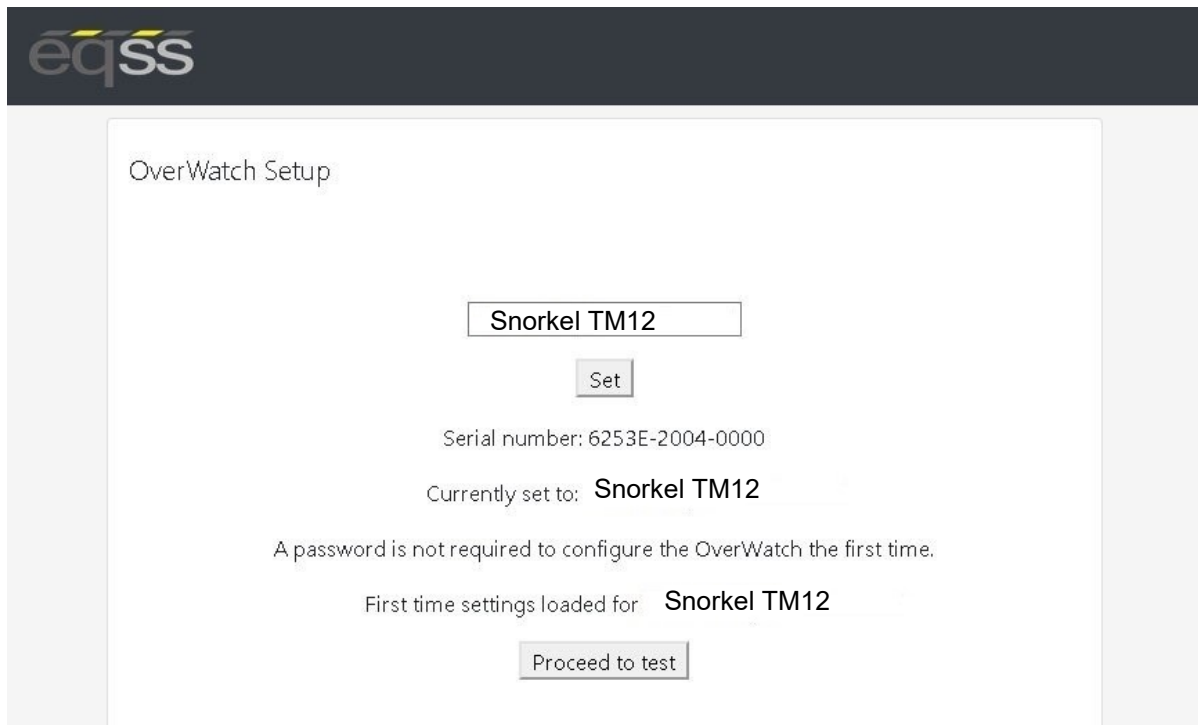
Wi-Fi Connection & Web Page Access

To enable the Wi-Fi connection on the OverWatch™ to complete the configuration follow the steps below.

1. Power down the platform control box with the ESTOP

2. Wait 10 seconds

3. Power up the platform control box with the ESTOP

4. While standing in the operator position, switch on the OverWatch™

5. As the welcome chime starts to play, cover the sensor. The LED will flash white then black to acknowledge.

6. Remove your hand from the sensor. The LED will flash white then black to acknowledge.

7. After covering then uncovering the sensor this way 2 more times, "Wi-Fi On" will be announced.

8. On your Wi-Fi enabled device (laptop, tablet, smartphone, etc), show the available wireless networks

9. Select the wireless network (starts with "overwatch") to connect to the OverWatch™

10. When prompted, enter the password "12345678"

11. Open your preferred web browser (Chrome, Firefox, Safari, Edge)

12. Enter the following into the address bar http://192.168.4.1 to open the OverWatch™ main page

Machine Model Selection

Follow the instructions below to configure the OverWatch™.

1. Select the Setup option   Snorkel TM12

2. If there is a password field at the bottom of the page, follow the instructions in Change Model Configuration to obtain the password and enter the password field

3. Select the EWP Model from the drop-down list and click Set

4. Click on Proceed to Test to begin the installation test

Installation Test

After the model configuration has been set or updated an Installation Test must be performed. This will ensure the installation has been correctly performed and the OverWatch™ is functioning correctly.

Follow the instructions on the web page to complete the Installation Test.
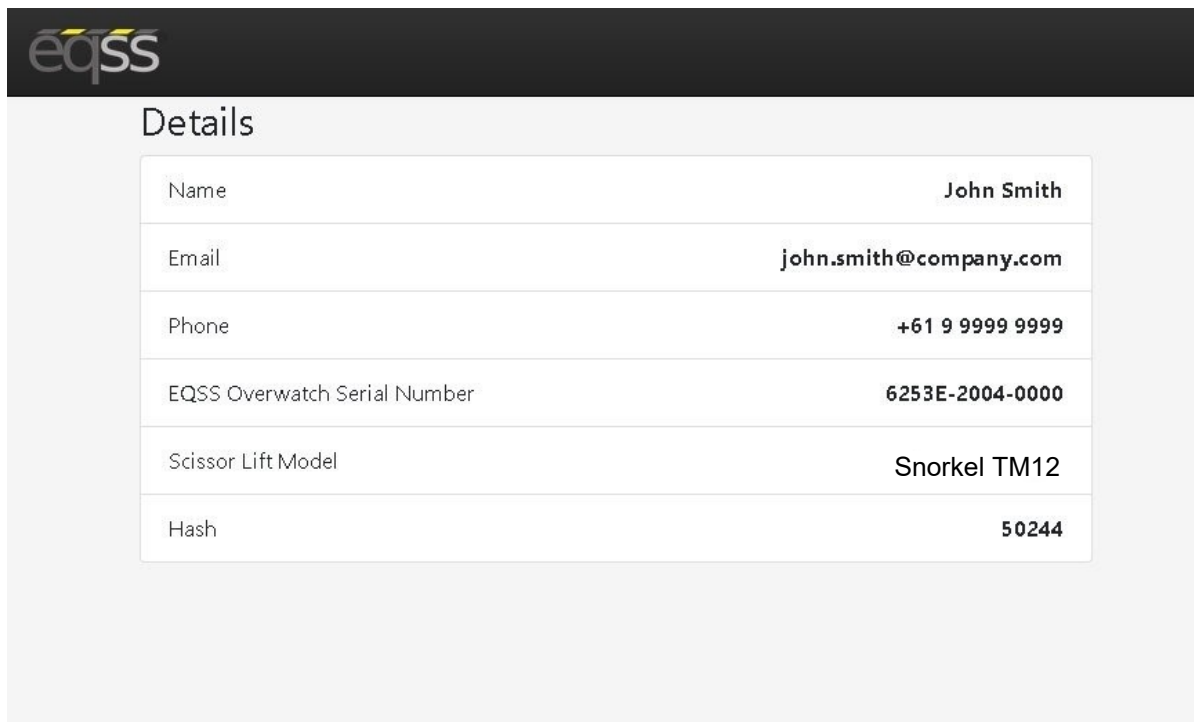
Change Model Configuration

To reconfigure the OverWatch™ for a different model requires an authorisation password to be supplied by a service manager. The authorisation password is generated from the EQSS website. The EQSS website requires a login username and password. If you are a service manager and don't have a username and password, contact EQSS to register. Follow the instructions below to obtain an authorisation password.

1. Open your preferred web and enter the following into the address bar http://www.eqss.com.au/overwatch to open the Login page

2. Select Customer

3. Enter your username and password

4. Ask the service technician for the serial number shown on the Setup page or on the ECU module along with the owner details of the EWP and complete the details form then click Generate Hash

5. Provide the 5-digit hash password to the service technician

Details	
Name	John Smith
Email	john.smith@company.com
Phone	+61 9 9999 9999
EQSS Overwatch Serial Number	6253E-2004-0000
Scissor Lift Model	Snorkel TM12
Hash	50244

OEM Special Configuration

Overview

When installing the OverWatch™ on a new model there are number of parameters which need to be adjusted or fine-tuned to suit a specific EWP model. The instructions below should be performed by the OEM of the EWP. Once the OverWatch™ settings have been set and tested, they will then be supplied to EQSS to be used for other installations.

Wi-Fi Connection & OEM Web Page Access

To enable the Wi-Fi connection on the OverWatch™ to complete the configuration follow the steps below.

1. Press the emergency stop button to power off the EWP

2. Cover the sensor with your hand

3. While the sensor is still covered release the emergency stop button to power on the EWP

4. Leave your head over the sensor until it says "Wi-Fi On"

5. On your Wi-Fi enabled device (laptop, tablet, smartphone, etc), show the available wireless networks

6. Select the wireless network starts with "overwatch" to connect to the OverWatch™

7. When prompted, enter the password "12345678"

8. Open your preferred web browser (Chrome, Firefox, Safari, Internet Explorer)

9. Enter the following into the address bar http://192.168.4.1/oem.html to open the OverWatch™ OEM page

10. Follow the instructions in OEM Password below to obtain the OEM login password

OEM Password

The OEM settings are password protected. The OEM password is generated from the EQSS website. The EQSS website requires a login username and password. If you are an OEM and do not have a username and password, contact EQSS to register. Follow the instructions below to obtain an OEM password.

1. Open your preferred web and enter the following into the address bar http://www.eqss.com.au/overwatch to open the Login page

2. Select OEM

3. Enter your username and password

4. Enter your name and contact details along with the serial number of the OverWatch™ then click Generate Hash

5. Enter the 5-digit hash password into the OEM password field

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Connection Schematics – Typical Application