

EQSS OverWatch - How it works

- The Overwatch sensor is LIDAR : a single infra-red beam
- The beam is sent from the sensor to the operator, targeted roughly at the chest
- It measures the time taken for the beam to bounce back, giving a distance.
- Repeated thousands of times a second, so it reacts in a split second.

It's a single infra-red beam
Aimed approximately at the chest



Stand in front of the controls
Hold the rails



It is possible to look around to check
for hazards etc



Turn to look around
Keep your body in front of the
controls



COLOURS

- Green light – the sensor is ready
- Blue light – scissor movement is OK
- Red light – cutout, machine stopped
- Purple light – reflective surface eg hi-vis stripe
- Orange light – override mode

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Cutout will occur if

1. the operator has moved too fast or with sudden, erratic movements
2. the operator has moved away from the controls
3. the operator is not within sight of the sensor beam
4. the operator is too close to the controls

<p>If the beam does not sense the operator it will cutout machine movement.</p> <p>If the beam senses a fast movement towards the controls it will cutout machine movement.</p> <p>The operator has more movement when driving than for elevating</p>	<p>Twisting away from controls may cause the beam to miss you “The Matrix move” This will stop movement “cutout”</p> 
<p>Standing too far from the controls will cause a “cutout”</p> 	<p>Ducking down or moving away will cause a “cutout”</p> 

EQSS OverWatch

Prone operator

If the operator does not move for **5 seconds** after a cutout then the horn will sound.

The horn will sound **3** times every **15** seconds to alert people around the scissor lift, that the operator is trapped.

The horn will continue to sound until the operator is moved away.

Override

It may be necessary to move the machine without the Overwatch sensor, so an override is available.

To use override, press the joystick trigger **3** times, holding it down on the 3rd time.

The override can be used for **15** seconds every minute.

It automatically turns off, which may immediately stop the machine if the operator is not standing at the controls.

Note that in override it will **NOT** cutout or stop the machine.

It is only to be used at the operator's own risk.

Covered up sensor

If the sensor is covered by an object or paint, dust etc then it will announce Sensor Obstruction.
The light will be yellow.

It can be cleaned with a cloth wipe, or if necessary hot soapy water.

Do not high pressure wash.
