

Unloading Davit Crane – User Guide

Spencer-Carter 500kg Unloading Davit Crane at the Lerwick Fishmarket.

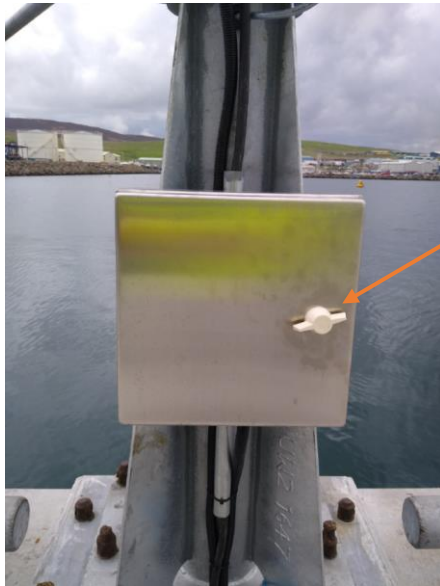
The crane is available for use by Approved Users only.



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Activate Crane

Approved User should present their FOB to the fob reader to activate power to the crane.



Fob reader with protective cover closed.



Fob reader with protective cover open.

Once activated via fob, the crane will remain powered up for 20 minutes, or until the fob reader is “Double fobbed”. To deactivate the crane, present your fob to the fob reader twice, in quick succession.

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Pre-use checks

Carry out pre-use visual inspection as per LOLER requirements.

- Check Unloading Davit Crane for any visible defects.
- Check hook is in good order with split pin and functional latch in place.
- Check condition of exposed wire.

Operation



Control box with protective cover closed.

1. Switch ON the Control Unit Isolator switch (Yellow/Red on the front panel)



2. Press Reset Button

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3. Operate the UP or DOWN push buttons as required. Note: the motor stops when a button is released.



Press to LOWER.

Press to RAISE.

EMERGENCY STOP.

To resume operations: Reset the EMERGENCY STOP switch and press the RESET button. (Yellow)

4. Release locking mechanism to swing crane, as required.



Locking mechanism in place to prevent crane swinging. Crane **MUST** be left in the "locked" position when not in use.



Release mechanism by pulling handle to allow crane to swing.



Handle for
swinging crane.

5. Switch the Control Unit Isolator to OFF when operations are complete.
6. Deactivate Crane and return to locked position.
Once activated, the crane will remain powered up for 20 minutes. Users should ensure that no other person makes use of the crane until it has powered down. If you have completed your unloading operation before the 20 minutes period has elapsed, you should de-activate the crane by presenting your fob to the fob reader twice, in quick succession.

Additional Information:

- If UP button is pressed and cable is wound to the top of the derrick, a safety mechanism is operated to prevent "over winding". In this case releasing the UP button and pressing the DOWN button will lower the cable and allow normal operations to continue.
- This unit is equipped with a smart overload sensing circuit. In the event of an overload (approximately 10% of the rated load) a STOP signal is generated, and the load cannot be hoisted further. The load must be lowered to the ground and the load reduced to or below the rated load before continuing.
- In the event of a power interruption OR the unit is switched OFF with a load hanging, the calibration of the unit will be altered. In this situation the following recalibration must be followed:
 - Restore power to the unit.
 - Press Yellow Reset button.
 - Press DOWN button to lower the load.
 - Remove the load from the hook.
 - Switch off power at the Control Unit main isolator for 10 seconds.

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- Switch Control Unit main isolator ON.
- Press Yellow Reset Button.
- Press UP Button - to check operation.
- Press Down Button- to check operation.
- Continue normal operations.