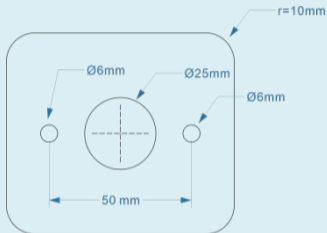




DRUM WINCH COUNTER

INSTALLATION & USER MANUAL

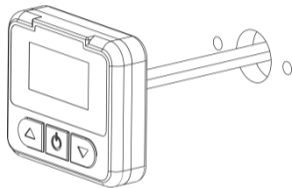
INSTALLATION OF DISPLAY



*Carefully excise the full-size template and align it with the intended installation area on the dash, securing its position.

*Utilise the indicated dimensions on the template to precision-drill all necessary apertures.

*Ensure optimal fit and finish by comprehensively deburring all holes on both the forward-facing and reverse sides of the dashboard.



*Guide the pre-wired cabling through the prepared hole on the dashboard before presenting the control unit securely to the dashboard.

*Affix the unit using the supplied fasteners.

INSTALLATION OF MAGNET & SENSOR

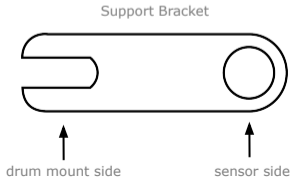
*Ensure the included magnets are attached to the drum spool so the sensor can measure rotations.

*You have the option to fit one or two magnets to the drum. The use of two magnets is engineered to deliver superior, high-definition readings of anchor rode deployment.

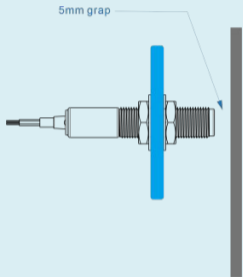
*For our 3000 and larger Winches, the use of two magnets is strongly recommended to ensure accuracy, one magnet is suitable for smaller Winches.

*Unbolt one of the flange bolts and fix the included support bracket to the flange.

Note: two support brackets are included.
Use the small support bracket for winch sizes 990, 880, 450.
Use the large support bracket for all larger winches.



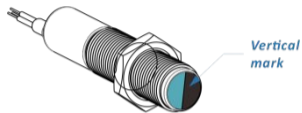
INSTALLATION OF SENSOR



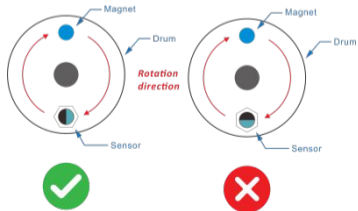
*Affix the sensor to the bracket utilising one locking nut on each side for stability.

*Maintain roughly 2-5mm between the sensor face and the rotating drum side plate.

Note: Only one magnet is needed. Use two for extra reliability on 2000 and larger winches.



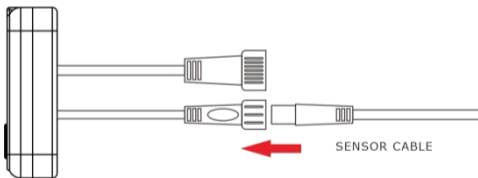
*Adjust the sensor until the sensor's vertical marking line is perpendicular to the drum's rotation direction.



CONNECTION TO SENSOR

*Route the sensor cable from the winch assembly, following the vessel's contours, through to the control station at the dashboard.

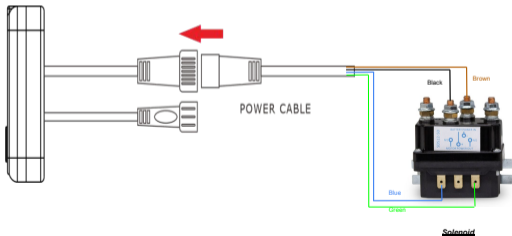
*Achieve data transmission by connecting the sensor cable directly to the display unit using the matching connector.



The sensor cable is 5 metres long, and includes an optional 5 metres long extension cable in the box.

CONNECTION TO SOLENOID

Connect the power cable and tighten the nut. Connect the brown wire to the positive terminal, the black wire to the negative terminal. Connect blue and green wire to the coil driver of the contactor as shown below:



MENU OPTIONS

Enter System Settings

To enter System Setting Mode, make sure the counter is ON, then press the ON button twice (2 times within one second); the unit will enter Setting Mode, and you can use the Up and Down buttons to scroll through the settings below.

Reset to Full

Activate this function to force a complete counter reset, establishing the current position as a full drum with the anchor secured, utilising the defined rode specifications. Confirm the critical reset by pressing the Power button; the system will then return to the main operational screen, displaying 0 units deployed.

Auto Retrieve

The system intelligently recovers the line to your predetermined alarm distance. Please supervise the final segment of retrieval closely. Engaging any button instantly overrides and halts the automatic recovery process.
Note: Always visualise the retrieval has successfully completed before starting the vessel and moving locations.

Setting

Winch setup/Units setup/Flip Count/Flip Drive/Magnet setup/Alarm setup.

Device Info

Hardware version/Software version/Bluetooth SSID/WIFI SSID.

Winch Setup

The system provides direct selection from pre-configured Savwinch models. Navigate to your installed winch and press the Power button to select it. If your model is absent, access the Custom menu to input precise Drum, Rope, and Chain measurements for optimal performance.

Units Setup

The operator has the ability to precisely define the unit of measurement, selecting from meters, feet, or fathoms to suit their operational preference.

SETTING YOUR WINCH

Flip Count

The system is calibrated to count positively during line deployment and negatively throughout retrieval. If the unit's count direction is inverted, select this menu function to toggle the sensor's sense orientation via the Power button. The unit will then immediately revert to the main operational screen with corrected functionality.

Flip Drive

When the Digital Line Counter is actively commanding the winch solenoid, this vital option provides the user with the ability to override and instantaneously reverse the solenoid's drive direction for total control.

Magnet Setup

The user must precisely input the quantity of magnets that have been fitted to the winch drum. As previously highlighted, the installation of two magnets is strongly recommended for the 3000 and larger Winches.

Alarm Setup

This feature sets the distance from zero where the critical alarm note is displayed. Setting the value to 0 deactivates the alarm. When using Auto Retrieve, ensure the Alarm is initially set to a minimum of 5m or 15ft; this distance may be reduced once the rode has settled on the drum.