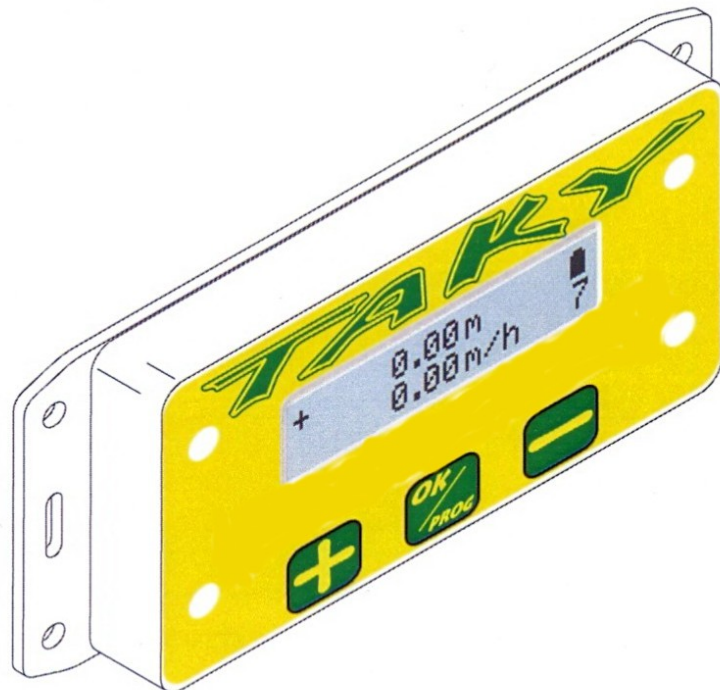




Taky Operation & Maintenance Manual



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Taky - Operation

The travel speed indicator (Taky) displays the ground speed of the sprinkler cart, amount of hose pulled off machine and layers of tube on spool. Please carefully review the following instruction regarding the operation and configuration of the Taky.

Turn On

- Press **OK** – Once illuminated, Serial Number and Version are displayed.
- The display screen will turn dark after 10 minutes. The Taky will remain in operation even if the screen is dark. Press ok to turn the screen back on.



Length and Speed Display

- The initial screen displays the amount of tube pulled out and the speed of retraction or pullout.



Length Adjustment

- Depress the + or - button for 1 second (when length and speed are displayed)
- By holding the + or - button down the advance of the units becomes more rapid.
- To accept the adjusted length value press **OK**



The length is automatically reset upon the transition from pullout to rewind or *visa versa*

Taky - Operation

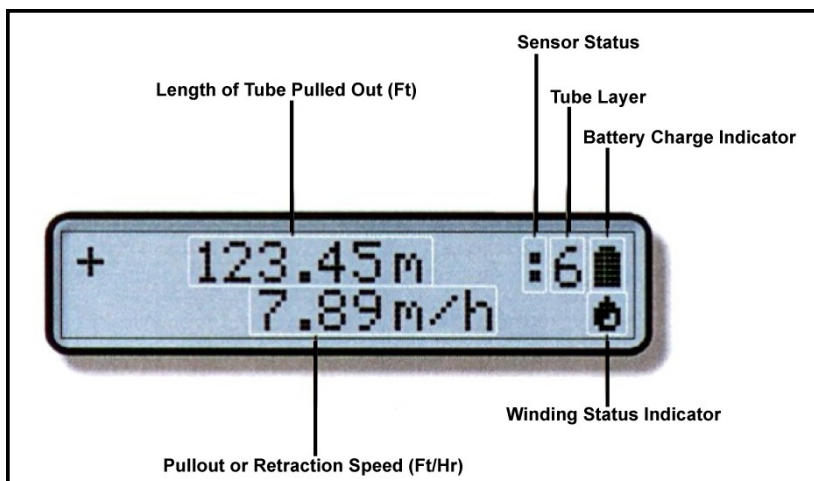
Display

Length

Length of tube pulled out from 0.00ft to the full amount of tube. This measure can exceed 100% of the tube length do to stretching of the MDPE.

Speed

Displays the speed of pullout or retraction in Ft/Hr.



State of Sensors

- (■ ■) Normal - Both Sensors Displayed
- (■) Top Sensor - represents pinion sensor is functioning
- (■) Bottom Sensor represents Gearbox sensor functioning

Tube Layer

Number of layers of tube remaining on the drum – (0) represents no tube remaining on drum.

Battery Charge- ■ Fully Charged □ Change Battery

Winding Status # Pullout ⚙ Retraction

Configuration

In configuration mode the following items can be adjusted:

| | |
|----------------|------------|
| Language | Units |
| Base (ST3-ST8) | PE Tube OD |
| PE Tube Length | |

To enter configuration mode utilize the following steps:

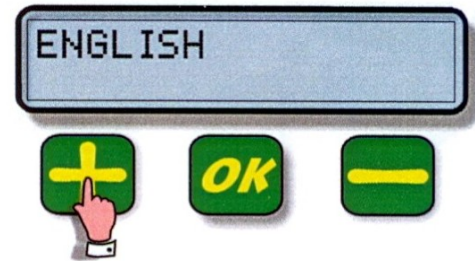
- Press OK in startup Mode (serial number and Version displayed)
- Press + and – simultaneously to enter Configuration Display
- Press + or – to toggle through adjustments



Taky Operation - Configuration Cont.

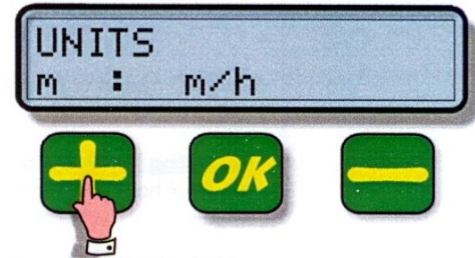
Language

- + or - to select Language
- OK to Confirm



Units

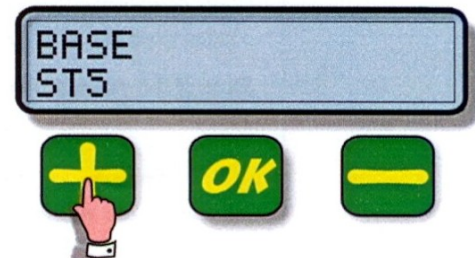
- + or - to select Units
- OK to Confirm



Base

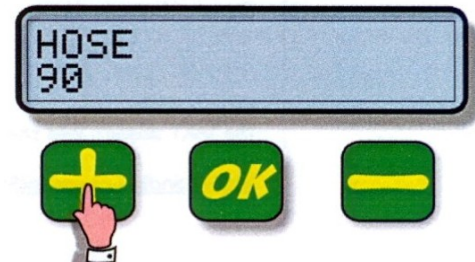
- + or - to select Base
- Ok to Confirm

(The base eg ST3 can be found on the Serial Tag on your machine – If your base is not displayed on the Taky screen, select MAN and see Manual input instructions)



PE Hose

- + or - to select Hose Diameter (mm)
- Ok to Confirm



Length

- + or - to select
- OK to Confirm

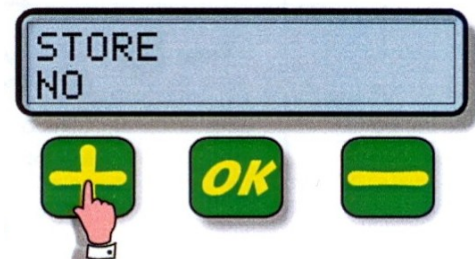
Hold down the +/- buttons to increase the speed at which the displayed length will change.



Store Settings

- + or - to select (Yes or No)
- OK to Confirm Choice

Selecting Yes will permanently store all selected settings and these will now be your default settings for the next operation of your Water-Reel.



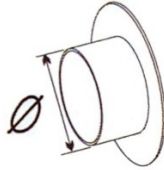
Taky Operation - Advanced Configuration Manual Mode

Manual Configuration Mode – If your Base size was not selected and MAN was entered, manually enter the Base specifications

Drum Diameter

+ or - to select

OK to Confirm



DRUM DIAMETER
+001500 mm



Drum Width

+ or - to select

OK to Confirm



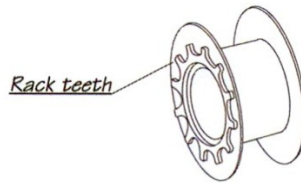
DRUM WIDTH
+001500 mm



Number of Rack Teeth

+ or - to select

OK to Confirm



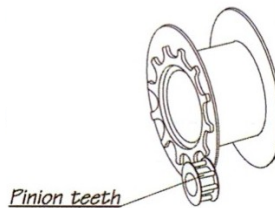
GEAR TEETH N.
+000150 mm



Number Pinion Teeth

+ or - to select

OK to Confirm



PINION TEETH N.
+000007



Reduction Ratio (Between Two Sensors)

+ or - to select

OK to Confirm

REDUCTION RATIO
+001384

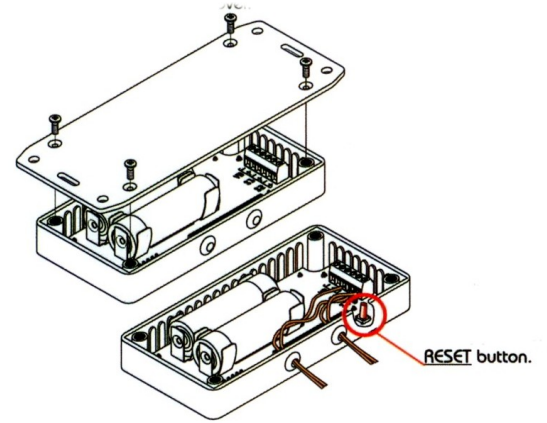


Taky Maintenance

Battery Replacement

Only use 1.5v alkaline batteries (AA). Rechargeable batteries are not compatible with this system.

- Remove the 4 screws from the cover.
- Replace the batteries.
- Press the reset button to restart the circuit.



When replacing the battery the Taky will not have to be completely reprogrammed; however, you will need to reset the length.

Electrical Connections

- Terminals VB+ and VB- are not used (Figure 1)
- Terminals S1+ and S1- must be connected to the pinion sensor (Polarity Same) (Figure 2)
- Terminals S2+ and S2- must be connected to gearbox tach shaft sensor (Polarity Same)

Figure 1

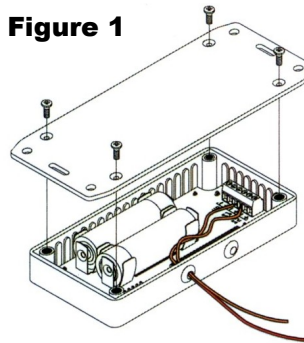


Figure 2

