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TECHNOLOGY by

WOLF

ESTD 1834

PROGRAMMABLE WATCH WINDER
OWNER'S MANUAL

Congratulations on your purchase of this watch winder. Please review this quick start guide so that your automatic watch will benefit fully from the features that have been engineered into this product.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision. Appliance is only to be used with the power supply unit provided with the appliance.

Getting Started

Power

The module 4.1 comes with a power adaptor (AC/DC 5.0-volt output), which converts main voltage to a DC voltage suitable for the operation of the module 4.1.

Start / Stop Position Selection:

Your watch your rules. You can set your watch to start in any position and it will return home to the same position when the cycle is complete.

The first time you turn your winder on you will notice that the drum rotated and then rests. The drum will always stop at this position, during and at the end of all cycles. That means that if you place your watch inside the drum so the position is 12 o'clock, the watch is at the top, and then during all test cycles, your watch will come to a rest at the 12 o'clock position. You can choose any position you like.

Step 1 - Remove the cuff from the winder drum by pulling firmly on the two tabs. Close the strap or bracelet of your watch. Compress the cuff, and slide your watch over the cuff, watch dial facing outward. Push the cuff into the drum until it locks into place, an audible click will be heard.

Note: Never insert or remove your watch when the drum is rotating.

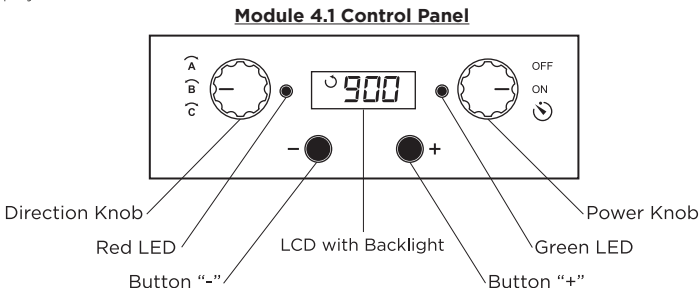
Step 2 - With the adapter connected, turn the right hand knob to the "ON" position. The display will be lit and you will have 10 seconds to initiate you personal settings. When after 10 seconds there has been no change to settings, the program starts the winder.

Controls


The Module 4.1 has two buttons marked "+" and "-" and two selection knobs. When the right hand side knob is turned to OFF, the unit will be deactivated and the display will be switched off. If either of the two power sources is maintained, the pre-set parameters such as the turns per day (TPD) or the delay start time (DST) of the unit will be memorized. However, the unit will not respond to the buttons and selection knobs when in the "OFF" mode.

Step 3 - Turn the knob on the left to the required direction setting.

A= clockwise , B= counter-clockwise or C= bi-directional. The selected setting will be displayed on the LCD display.



Rotations: By pressing the “+” or “-” black buttons you can increase or decrease how many turns per day you want your watch to rotate. Changes are made “UP” or “DOWN” in increments of 50 rotations. Minimum setting is 300 and maximum setting is 1200 turns per day. The LCD display will show the current setting. The default setting is 900 TPD.

Delayed Start: If you would like to manually delay the start time turn the right knob to  and press the “+” or “-” buttons to select 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66 or maximum 72 hours. After 10 seconds the setting is stored and delay countdown will begin based on the selected setting. Delay countdown starts showing hours remaining to start, followed by minutes and finally seconds. The display will continuously switch between showing the delay countdown and rotation setting. If no further setting changes are made before the display starts counting down, the delay will then automatically start with the previous stored personal setting. Without a selected or stored personal setting the delay starts with the default setting of 24hrs.

Features

Backlit Display

The LCD backlight assists users to read the LCD. It will be activated when either the control knobs or buttons have been manipulated. In order to save power, the backlight will automatically turn off when there is no input detected for about 20 seconds.

Status LEDs

There are two status LEDs, one green and one red. The green LED indicates normal operation. When the “Power” knob is not in the “OFF” position, the green LED will be flashing. The red LED will activate when the unit detects that the drum is not rotating properly. After a short pause the winder will start again to see if the drum rotates properly. If not, the red LED will start flashing again. This process will continue until the drum starts rotating properly.

Multiple Winder Assembly

Each module 4.1 watch winder has been engineered in a manner that enables them to connect to one another, thereby enabling you to build a watch winder system with unlimited capacity.

What you will need in order to create a high capacity winder system using the Module 4.1 system is the following:

- A sufficient number of Module 4.1 watch winder units.
- An AC power source should be located nearby. Only one 5.0-volt adapter is needed to power up to 12 winders, by serial connecting the winders with the included bridal cable.
- A firm and level surface. Note that: carpet, cushioned floors and other materials that can compress, will not provide sufficient support for a Module 4.1 system when it is assembled in a vertical manner.

Winding Programs

The module 4.1 provides 19 TPD settings and 3 directional modes, giving 57 possible rotation programs. There are 19 distinct rotation programs with respect to the TPD settings and their parameters are listed in the following table. The actual number of rotations will be double that of the TPD value when the winder is in bi-directional mode.

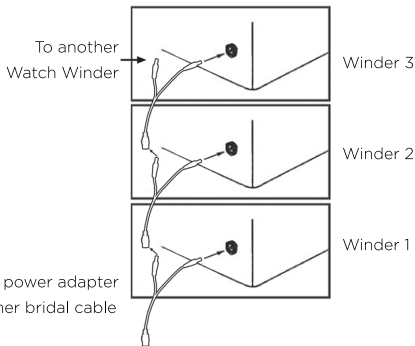
Note: There is no magic number of rotations that will wind your watch. Things such as how active you are, how many complications your watch has, how frequently you use the chronograph function, how frequently you wear your watch, the watch make, how long it has been since it was last serviced and a host of other variables will impact what your watch requires to stay wound. You will have to make this determination by trying the various settings.

TPD	No. of Cycle	Turns per Cycle	Cycle per Period (min.)
300	4	75	120
350	5	70	120
400	4	100	120
450	5	90	120
500	4	125	120
550	5	110	120
600	4	150	120
650	5	130	120
700	4	175	120
750	5	150	120
800	4	200	120
850	5	170	120
900	4	225	180
950	5	190	180
1000	4	250	180
1050	5	210	180
1100	5	220	180
1150	5	230	180
1200	5	240	180

Winder Cycle Chart

Bridal Cable Configuration

This cable is a convenient and effective way of connecting multiple watch winders together, allowing them to run off only one power source. This reduces the need for clunky power strips and A/C adapters. Perfect for use with all WOLF winder systems.



**For further technical information, visit our website:
www.wolf1834.com**

All WOLF watch winders are made under one or more US and Foreign Patent Nos. For the actual Patent No for your purchased winder, please see Patent No marking on the winder.

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