



Winch Control Instruction

Part Number 34812

The Winch Control is designed to automatically lower feeder or water lines at a preset times on the time clock or manually. The Winch Control is not designed to automatically raise feeder or waterer lines.

Installation:

Mount the Winch Control in a convenient location within view of the lines to be lowered.

Install the Tower Switch Assembly as specified in the instructions (MV979) provided with the Tower Switch. The Tower Switch Assembly for the Winch Control uses three individual switches, instead of two.

The upper two switches determine the upper and lower limits of travel. The bottom switch serves as a safety switch.

Set the bottom switches (safety switch) of the Tower Switch approximately 1" (25 mm) below the center switch.

Wire the Winch Control as shown in the wiring diagram in this instruction. NOTE: The Winch Control requires (5) conductors plus ground between the Winch Control and the Motor.

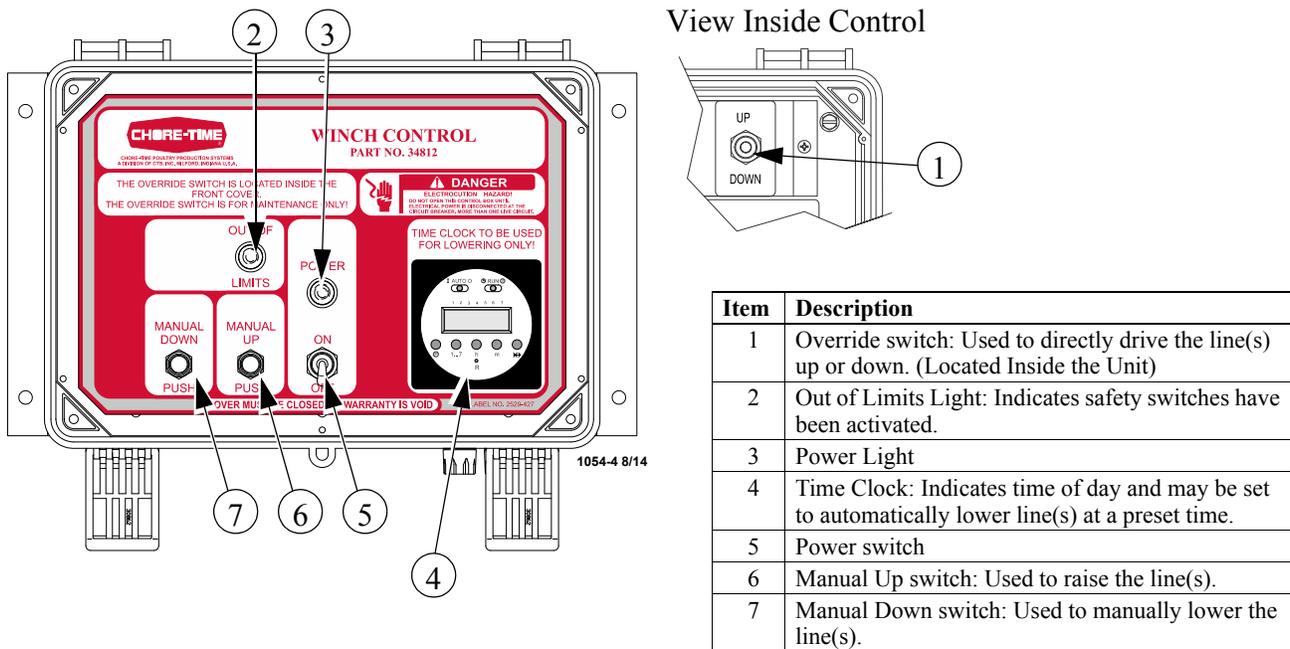


Figure 1. Winch Control

Operation:

Set the Time Clock to the appropriate time of day.

If you wish for the Winch Control to automatically lower the line, set the Time Clock on cycle at the desired time. If the Winch Control is not to be used automatically, do not set time clock on cycle.

Flip the POWER switch to the ON position. The pilot light should be lit.

To raise or lower the line, press and hold the appropriate MANUAL UP or MANUAL DOWN button.

If the safety limit switch is activated, the OUT OF LIMITS pilot light will be lit. The Winch Control will not operate after the safety switch has been actuated, until the OVERRIDE switch has been used to bring the line back to within the limits.

CAUTION: The OVERRIDE switch directly drives the line(s) up or down regardless of the Tower Switch settings. USE THE OVERRIDE SWITCH CAUTIOUSLY TO PREVENT EQUIPMENT DAMAGE.

Time Clock Setting Instructions

Note: to save time you can set up each on/off cycle:

- A) to be unique for each individual day, or
- B) for Monday to Friday (days 1 to 5), or
- C) for weekends only (days 6 & 7), or
- D) for all days except Sunday (days 1 to 6), or ...
- E) the entire week at one time. This can save a lot of time when programming the “on” and “off” cycles.

Setting Current Time and Day

- Slide the Set Switch to the left (Clock Face). 
- Press the 1...7  Button until the arrow points to the current day. Press the h (hour)  button and then the m (minute)  button to set the current time. The "PM" indicator shows noon to 11:59 p.m.
- Slide the Set Switch to "RUN". 
The clock colon will blink between the hours and minutes.

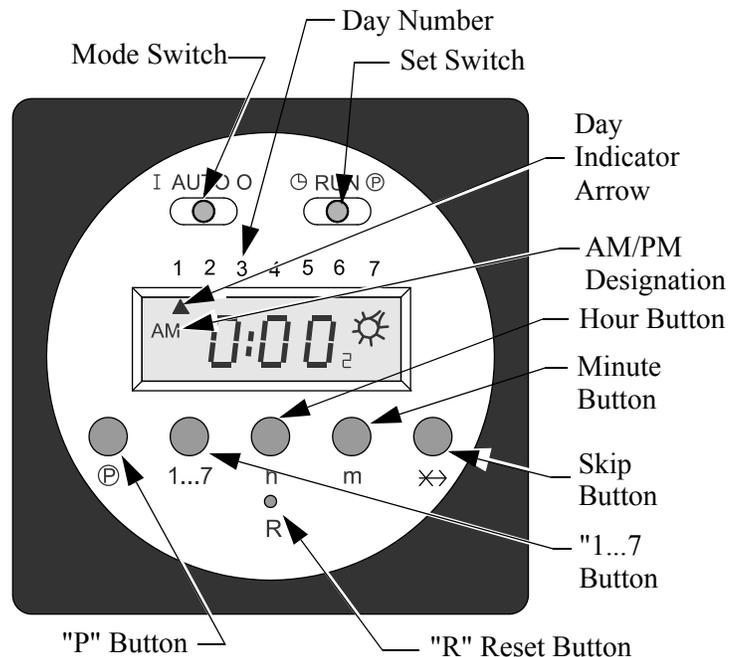
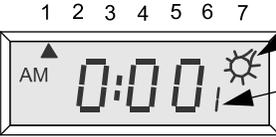


Figure 2. Winch Control

Setting Each Cycle to Switch On

- slide the RUN switch  to “P”. A “1” indicates this is the first switch cycle and a “bulb”  icon indicates a switch-on condition (circuit closes). (Hint: odd numbers indicate a “switch-on” cycle.) 
- press 1...7  button until arrows point to selected day(s) you want this ON cycle to occur. (See **step 2 above** for how to choose days of the week)
- press “h”  and “m”  buttons to show switch-on time, noting the “PM” indicator.

Setting Each Cycle to Switch Off

- Slide the RUN switch to "P".  Press the "p" button.  Note that the switch cycle number changes to 2 and the bulb  blinks, indicating switch-off (circuit opens). (**Hint:** even numbers indicate a "switch-off" cycle.)
- press 1...7  button until arrows point to the selected day(s) you want this OFF cycle to occur.
- press the h (hour)  and m (minute)  button to select-switch-off time.

Note: Remember you can repeat the above steps to program up to 8 on/off events for each day of the week. By pressing the lower "P" button  you can advance to the desired on/off cycle. Slide RUN switch to RUN position.  The clock colon will blink.

Auto Run Mode

- Set time, Day, and desired switch cycles.
- Slide the Set Switch to run  and the Mode Switch to "Auto".  Switching begins with next "switch-on" time.

Override On

Slide the Mode Switch to I.  The switch remains **on** indefinitely (circuit closed).

Override Off

Slide the Mode Switch to O.  The switch remains **off** indefinitely (circuit open).

Skip Cycle

In Automatic run mode  press the Skip button.  The next program is skipped.

Setting Error

- If EEE appears a setting error exists. The switch cycle number in error is shown. Slide the Set Switch to "P". 
- Press the "P" button  until "Cycle" is shown. Review and correct the error. Slide the Set Switch to Run. 

Clear Any Setting

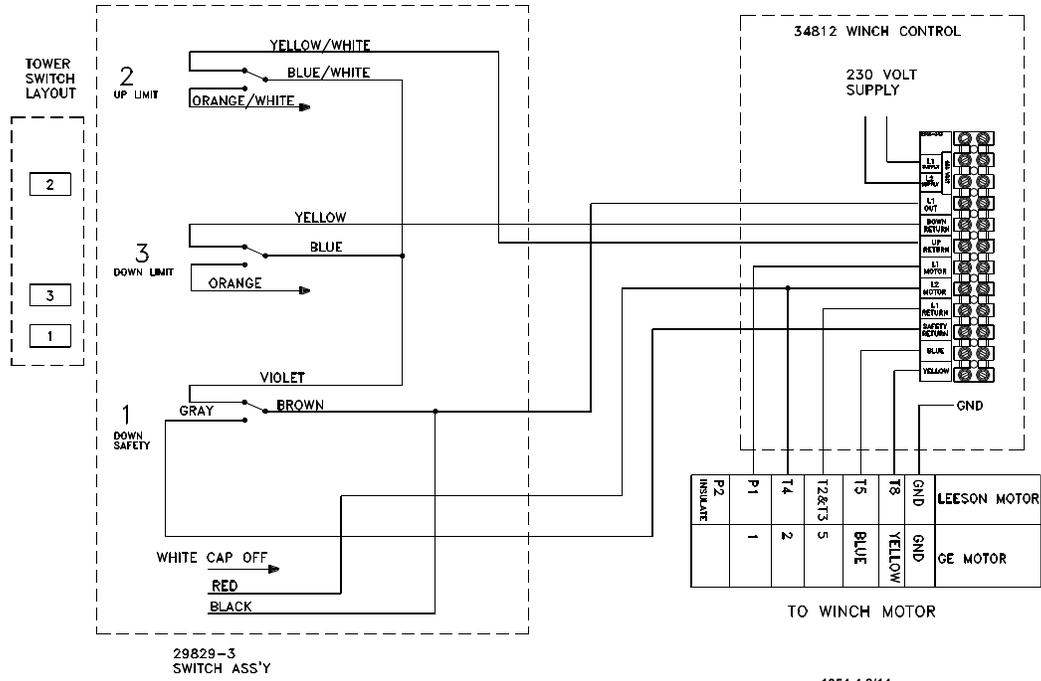
- Slide the Set Switch to "P". Press the "P" button  to show any switch cycle to be cleared.
- To Clear a switch cycle press the 1...7  button until no days are indicated.
- Repeat for the next switch cycle. This on/off cycle is now inactive.

Clear All

To erase all settings press "R". 

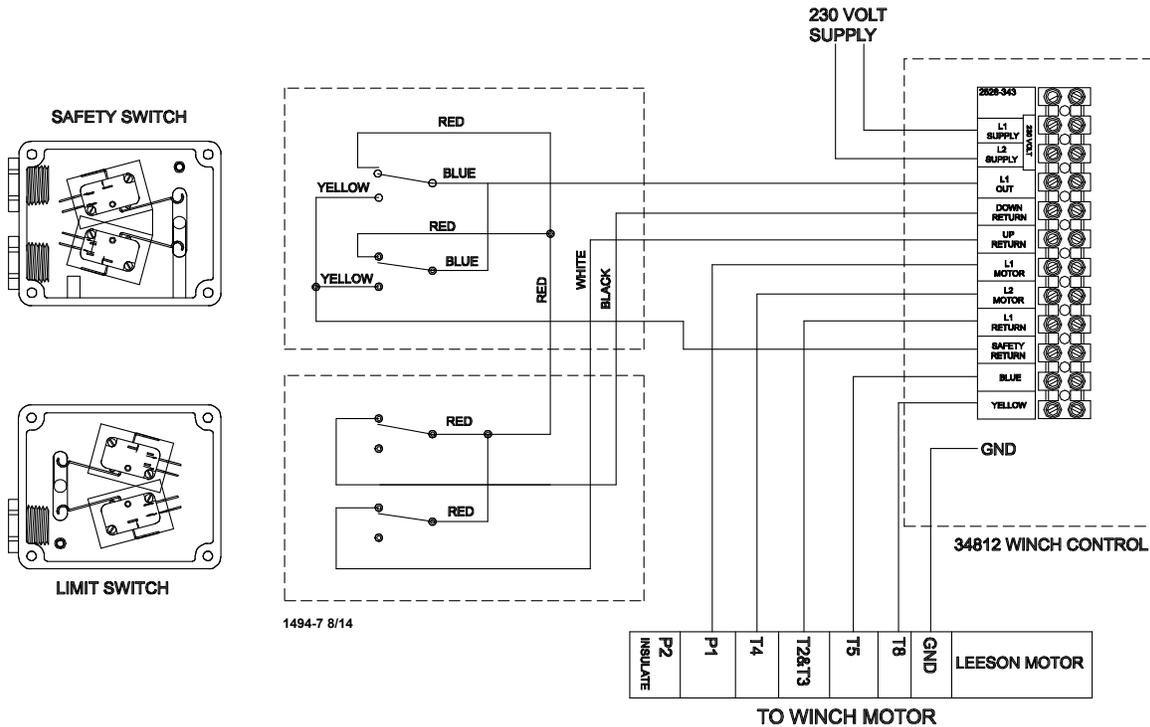
Winch Control Wiring Diagram with 29820-3 Tower Limit Switch

37215 MULTI-LIFT Winch with 34812 Winch Control
and 29820-3 Tower Limit Switch
or
14560 or 14580 Electric Power Winch with 34812 Winch Control
and 29820-3 Tower Limit Switch

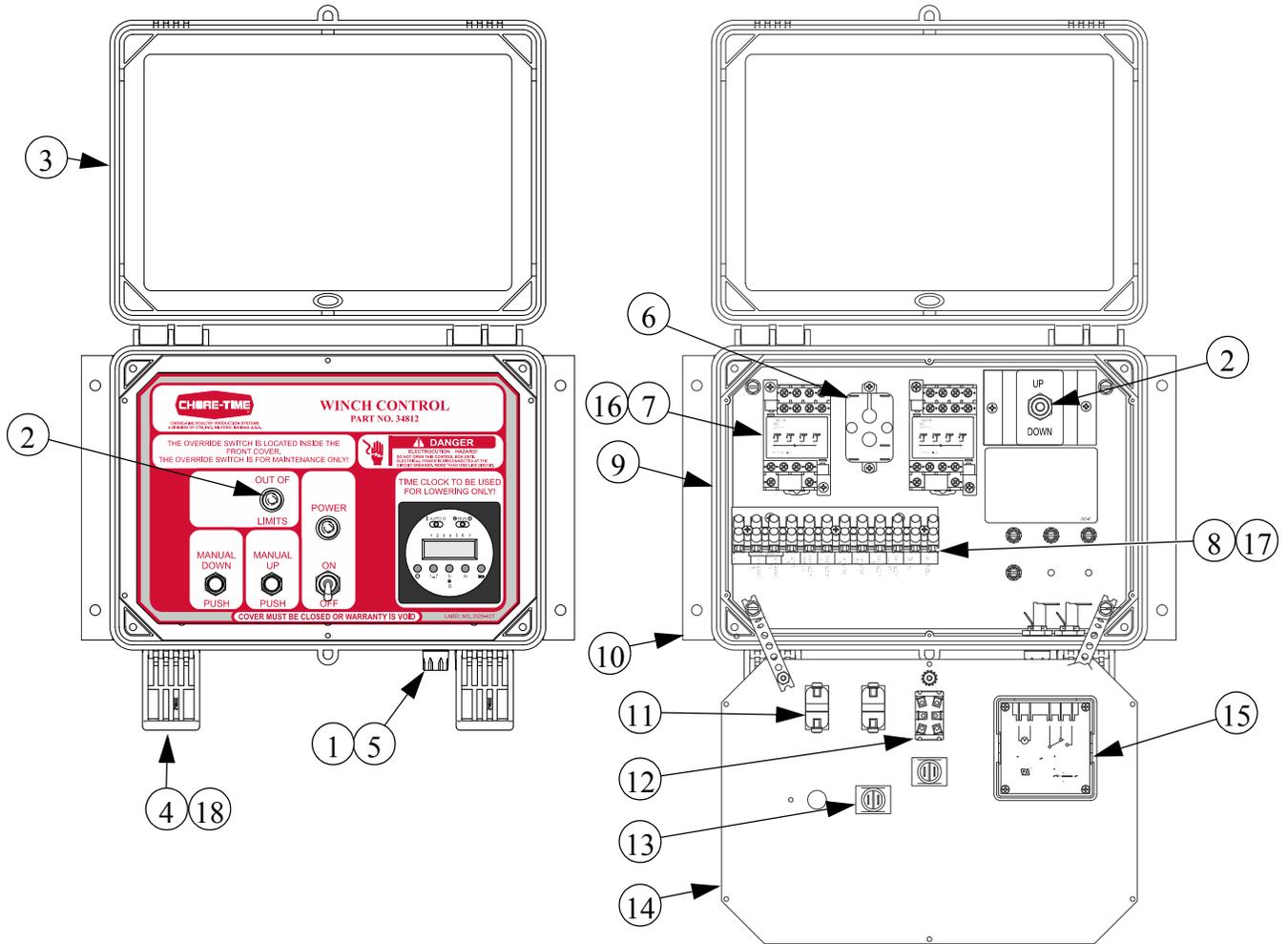


Winch Control Wiring Diagram with 39464 Limit Switch

37215 MULTI-LIFT with 34812 Winch Control and 39464 Limit Switch



34812 Winch Control Parts Listing



Item	Description	Part No.
1	10 Amp Fuse	7350
2	Toggle Switch (DPDT)	46847
3	Clear Lid	30859-1
4	Control Box Latch	30862
5	Fuse Holder	24431
6	Relay	5574
7	4 PDT Relay (230 V)	34910
8	Terminal Mount Bracket	34563
9	Control Box	34985

Item	Description	Part No.
10	Control Box Mount Panel	34852
11	Momentary Switch	53064
12	Toggle Switch	6014
13	Pilot Light	7044
14	Winch Control Panel	34382
15	Time Clock	51830
16	Track Mounting Socket	34909
17	Terminal Strip	34925
18	Control Box Latch Pivot	30863



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Revisions to this Manual

Page No.	Description of Change
--	Updated to digital Time Clock

Contact your nearby Chore-Time distributor or representative for additional parts and information.

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