

**WISETECH**

WISETECH INTERNATIONAL CORPORATION

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**For your safety, read and understand this manual before using. Save these instructions for future reference.**

**Disclaimer:** Wisetech International Corporation reserves the right to make changes or improvements on any terms without incurring any obligation and without being required to make any corresponding changes or improvements on items previously sold, and to discontinue models or accessories at any time without notice. Wisetech International Corporation reserves the right to make product specification changes without prior notice.

## SYSTEM FEATURES

Wisetech Universal Cord Adapting Drapery Motor (WTC-2000) offers a simple and affordable solution to automating new and existing drapes and vertical blinds. The system easily converts the existing cord-pulling drapes into an integrated automatic system without having to replace any of the hardware such as headrails and cords, and it works well with all types of pulling cords and ball chains. The system is ideal for both new window treatments and retrofits in residential and commercial applications such as offices, guest rooms, exhibit rooms, hospitals, libraries and hotels.

Some of the superior design and special features of the system include:

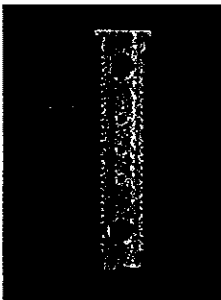
- Easy installation - requires no electric wiring.
- Automatic limit sensor - requires no pre-set of drapery open / close positions.
- Most drapes, blinds and shades with pull cords or ball chains can be easily adapted to.
- Eight-channel remote control which can operate multiple drapes selectively or simultaneously.
- Wireless infrared remote control with 10 speed choices.
- Automatic motor clutch enables drapery to be pulled by hand in case of power outage.
- Applicable to center, left and right pull drapes, as well as sheer and over drape.
- Pull capacity - 50 lbs fabric weight
- Use 12v DC power, safe and reliable
- Three year warranty

# PARTS LIST

WTC-2000 System includes:



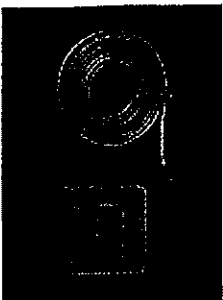
Drapery Drive Motor WT-2000



Wall Mount Bracket with screws

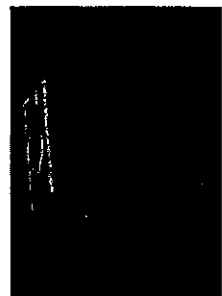


Remote Control



3-position Switch with visible external wires (optional)

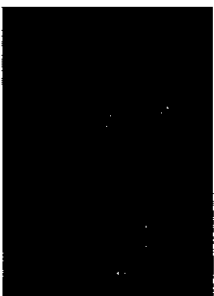
All system components, except the optional 3-position switch, are packed in one box.



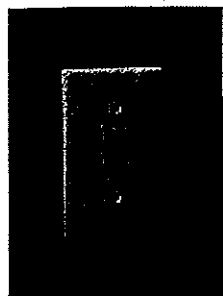
Universal Cord Adapter



Control Panel

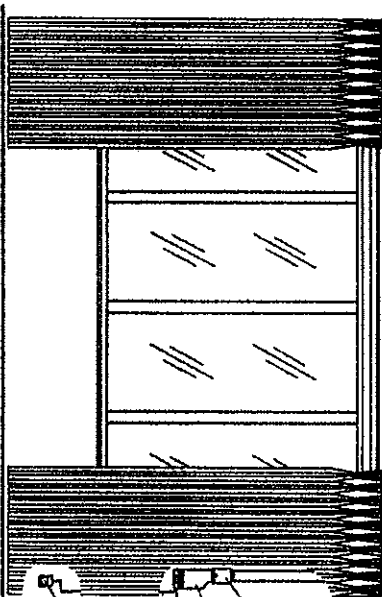


Transformer



3-position Switch with internal wires (optional)

# INSTALLATION



## Pre-installation

Examine the existing headrail and the pull cord to make sure that they are under smooth and flexible operating condition. If necessary, clear any obstructions or replace the torn-out pull cords before installing the WTC-2000 system.

## Installed Position

The infrared receiver is located on the Control Panel, it functions best when the unit is installed at one's chest level at either end of the headrail behind the drapery. There should be no major obstructions such as solid objects in front of the Control Panel where the infrared receiver is located.

**WARNING:**

DO NOT USE THE SYSTEM IN HIGH TEMPERATURES OR HIGH HUMIDITY ENVIRONMENTS.

DO NOT USE THE SYSTEM IN PROXIMITY OF OPENING ELECTRICITY SWITCHES & NEAR STEEL OR ALUMINUM.

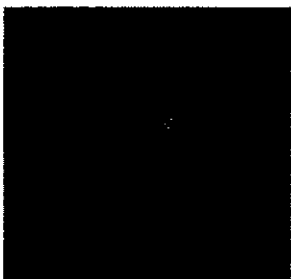
THE SYSTEM IS FOR HOME USE ONLY. IT IS NOT TO BE USED IN COMMERCIAL OR INDUSTRIAL SETTINGS.

## Installation Guide

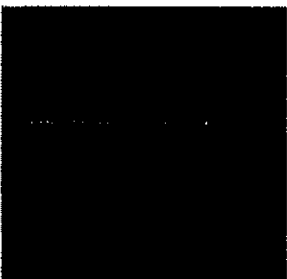
- Position the wall mount bracket on the wall below the selected end of the track behind the drapery.
- Attach motor bracket to the wall with the screws provided. The attachment does not need to be too tight in order to reduce vibration noise.



- Attach drapery motor to the cord adaptor – hold the motor at a 45 degree angle and press upward into the clover-leaved prong (red button pressed), twist motor back 45 degree. The red button will automatically lock into place.
- Gently twist the motor to ensure it is securely attached.



- Use thumb to push upward to open the cord adaptor cover.



- Feed the draw cord into the groove of the drive wheel, making sure the cord is pressed into place between the grooves of the small push wheels and the rubber pulley wheel.



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- Glide the cord adaptor into the upper end of the wall mount bracket allowing it to hang by its own weight.
- Tighten the draw cord from its end at the carriage up on the headrail, cutting the loose part of the cord.



- Close the cord adaptor cover by gliding downward along the draw cord.
- Lightly press the cord adaptor downward one or two notches along the wall mounting bracket to test and adjust the tension of the draw cord.



## Uninstall

- To detach the cord adaptor from the wall mounting bracket, push the latches on both sides of the cord adaptor, glide it upward along the bracket



- To disengage the cord adaptor from the motor, use one finger to push the red latch upward and lightly twist the motor 45 degree to detach it from the cord adaptor.

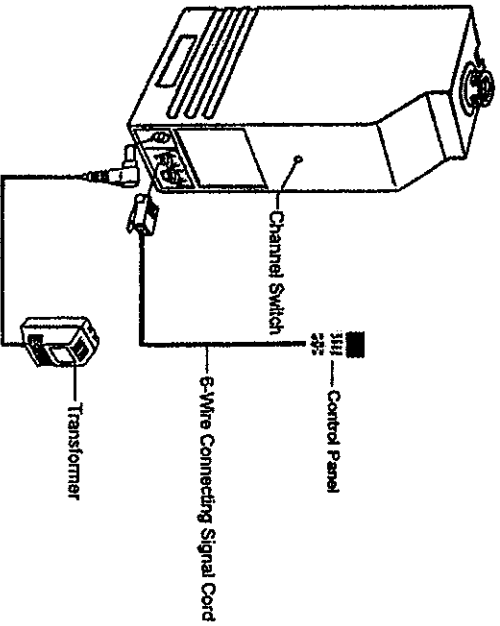


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# CONNECTION

## Control Panel Connection

The Control Panel is plugged into port 2 at the side of the drapery motor.



**NOTE:** The infrared receiver which is located on the Control Panel can receive signals from the remote control even it is behind the drapery. However, it cannot be hidden behind heavy objects such as furniture, sofa, etc., as such heavy objects will block the infrared signals.

## Transformer Connection

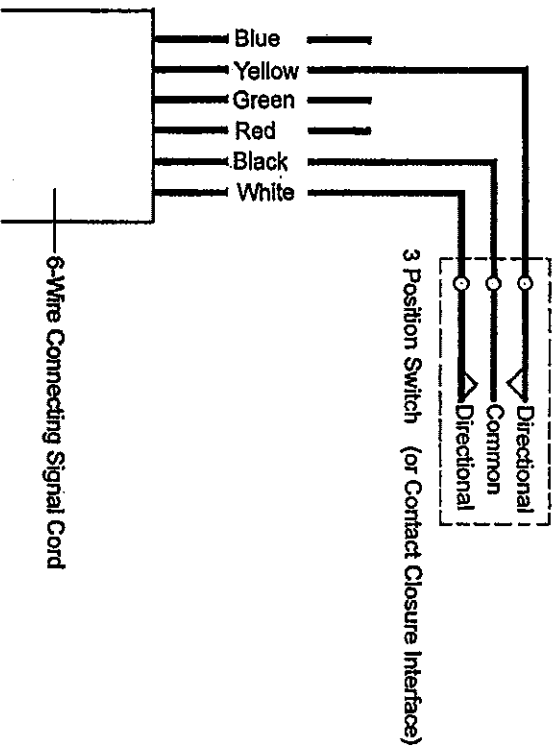
Connect the transformer to port 1 and plug transformer into standard 120V receptacle.

**NOTE:** The WTC-2000 transformer is a dedicated transformer. Customer should not exchange or use other brands of transformer with the WTC-2000 Drapery Opener System.

## Switch or Contact Closure Hookup

For applications in a home automation system where switch or contact closure control is desired, it is recommended to use a 6-conductor modular cable in conjunction with a RJ-12 plug, cut the Blue, Green and Red wires and crimp the plug. The Yellow and White are directional wires and the Black is your common ( See Illustration ).

**NOTE:** When cutting the wires, please cut flush with outer jacket.



# REMOTE CONTROL ( WC-6601 ) GUIDE

## Remote Control Use

#10 is drapery number which corresponds to control system position number.

- For each drapery's operation, push needed button (1... 10). Then push:



or



- To open/close all draperies simultaneously (all draperies are set to the same position number), push 1 – 10. Then push:



or



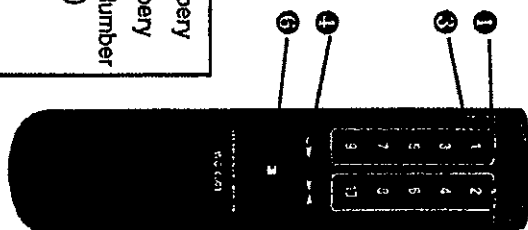
During drapery moving motion, push opposite direction command, drapery will change course of direction immediately.

The same remote control can control draperies in different rooms.

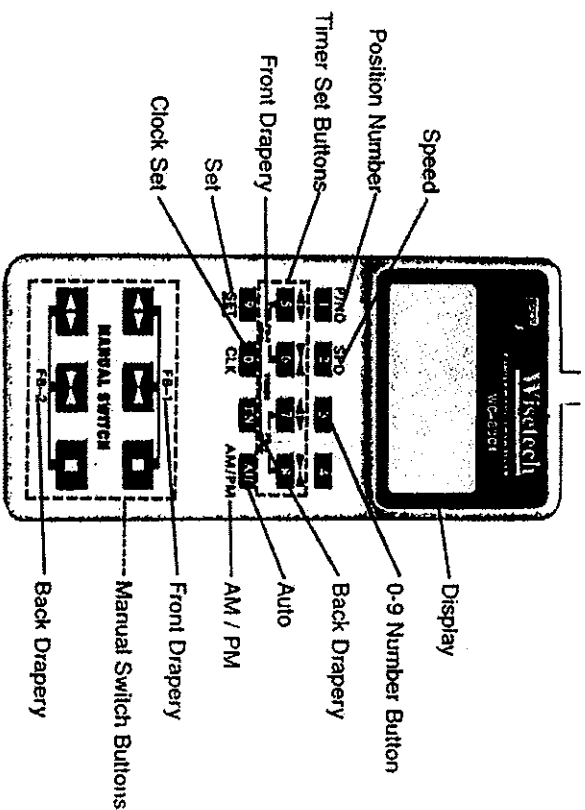
### WARNING:

- Remote Control uses two AA batteries, (3V DC.)
- Do not drop or impact the remote control. Do not try to disassemble the unit in any way.
- Do not clean remote control with alcohol, benzene or solvent products.
- Do not place remote control at high or low temperature or humid area.
- Do not place remote control at area of vibration.

- Front Drapery
- Back Drapery
- Position Number (1... 10)
- Open
- Close
- Stop

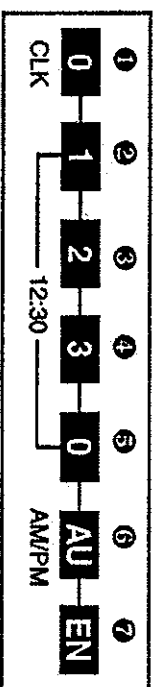


## Control Panel Set Up



### Set Clock

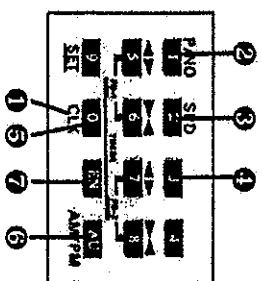
Set Present Time according to following steps



Push **EN** colon flashes, clock starts working.

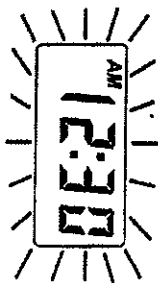


Display shows:



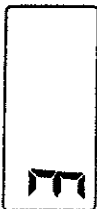
Modify present time, using previous steps to enter present time. If there's a temporary power outage, the clock stops working. After resumption of power, the display must be reset to present time.

Display shows:



During time setting, if a mistake is made, (e.g. 1:65), display will show [E]

Display shows:



Present time must be set.

### Manual Operation

Push manual switch on control system



Open



Close



Stop

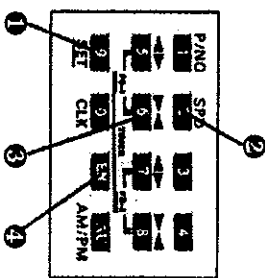
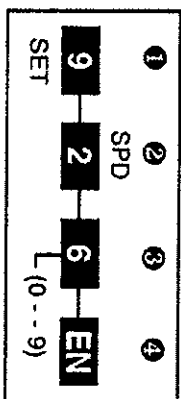
In the Double System, FB-1 is referred to as the Front Drapery and FB-2 is referred to as the Back Drapery.



The drapery will automatically stop when fully opened or closed. When the drapery is moving, pushing the opposite direction command will change the course of direction immediately. Pushing the Stop command will stop the drapery at any specified position. The Drapery Control System incorporates a drapery drive protection mechanism which controls the Drive Cycle Time to be 30 seconds. If the system is used on a wide drapery where the time required to fully open or close is longer than 30 seconds, the protection mechanism will kick in. If this occurs, select a faster speed or press the command again.

### Drapery motion speed set

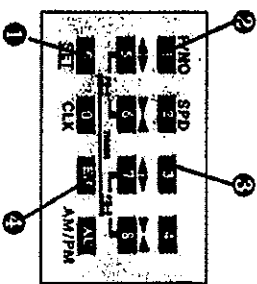
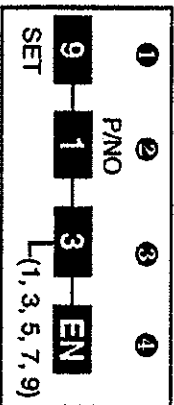
Drapery motion has 10 different speeds for users' choice, 0, 1, 2 ... 9, grade 0 being the slowest, and grade 9 being the fastest. Set drapery motion speed according to the following sequence of steps:



### Set Drapery Position Number (P/No)

By setting the Drapery Position Number, the remote controller is able to recognize different draperies.

Set position number according to following steps:



With Double System, Front Drapery is FB-1, set as number "1". Back Drapery FB-2, becomes number "2". During P/No setting, need only set odd number position (FB-1 set 1, 3, 5, 7, 9. FB-2 becomes P/No. 2, 4, 6, 8, 10 by default). It is not required to set even position numbers, since they are automatically set by default. The display will show [E] (error) if an even position number is set. [E] will disappear in 10 seconds to allow you set odd position numbers.

Different draperies can be set up with different position numbers. One remote control can control each drapery individually.

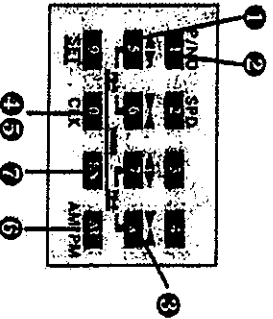
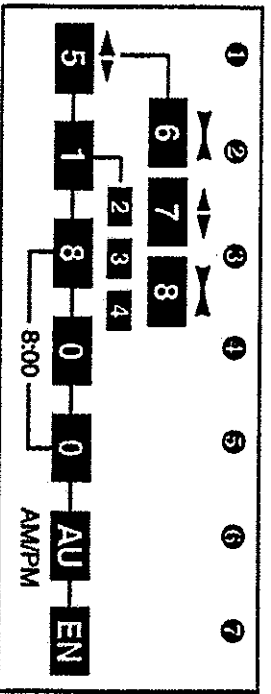
One remote control can also control all draperies simultaneously. To control all draperies simultaneously, set all draperies to the same position number.

One remote control can control all draperies set to the same position number in different rooms.

### Timer Set

The control system can be set-up with each drapery according to need. The system timer can be pre-set to automatically open and close 4 times within a 24 hour period.

Set timer according to following steps:



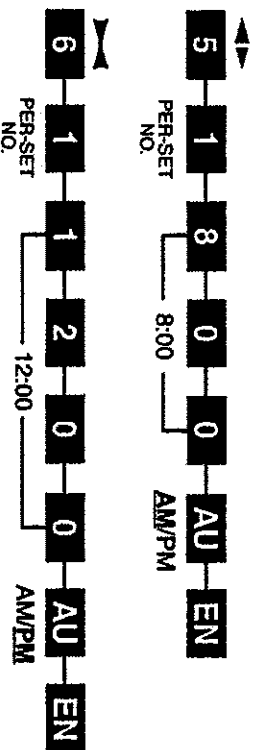
Manufacturer recommended pre-set time sheet.

Fill out the open/close times before actual pre-setting timer.

PER-SET NO.	FB-1	FB-2
1	5 8:00AM	6 12:00PM
2		
3		
4		

Example: set FB-1 (front drapery), preset #1 to 8:00 a.m. open, 12:00 p.m. close.

Timer set according to following steps:



To cancel pre-set time, follow above steps and set timer to 0 hour and 00 minute.

After setting, push button **AU**, timer begins working.

Display shows: 

To de-activate timer, push button again, display [Auto] disappears, timer stops working. During every timer set, current time will not show. Display will only show set up time.



All pre-set times are stored in memory. After temporary power outage or plug disconnect, all pre-set times are still valid.

**WARNING:**

1. Drapery control panel cannot be installed outdoors or in a high temperature area. Temperature cannot exceed 50 C (122 F). Avoid direct sunlight.
2. Drapery control system cannot be installed in low temperature areas. LCD response time may be slowed or the time may become inoperative. These low temperature symptoms are not permanent. Normal function will return after the timer warms up.
3. Do not drop or impact the control system. Do not try to disassemble the unit in any way.
4. Do not install at locations close to other electrical appliances.
5. Do not clean the control system with alcohol, benzene or thinner type products.

**TROUBLE SHOOTING TIPS**

Remote control unit does not operate.	Power supply is not plugged in properly.	Plug 12V transformer into the proper port.
	Battery in the remote control is dead.	Replace battery in the remote control.
The green light is on when pressing the	Receiving diode is obstructed.	Remove the interfering object from front of the motor

"Open" or "Close" on the remote control, but the drapery does not move.	You have not set the proper channel number on the remote, or you pushed the wrong channel number.	Set the desired channel number on the remote control and push the right channel number. before pressing the "Open" or "Close" button.
Drapery moves in the direction contrary to the "open" and "close" button on the remote control.	The installed direction of the pull cord does not match the programmed direction of the "open" and "close" buttons.	Detach the motor and cord adaptor from the wall mount. Cross the pull cord and re-feed the cord into the drive wheels of the cord adaptor.
Drapery stops before it is fully opened or closed	Interference with the movement of the drapery.	Remove object which restricts the drapery movement Check the headrail, pulley and carriage to replace any broken parts or clear any possible obstructions. If necessary, apply some lubricant to the moving components in the headrail.
Motor does not stop or continues vibrating after drapery is fully opened or closed.	Pull cord might be too loose.	Lightly press downward the cord adaptor and the drapery motor on the wall mount bracket to tighten up the pull cord. If the cord is still too loose, you need to tighten the pull cord at the end of the drapery headrail.

## **WARRANTY**

**WTC-2000 Universal Cord Adapting Drapery Motor System carries a 3-year limited product warranty** from the date of purchase. Within the warranty period, Wisetech International Corp. guarantees repair or replacement at no charge (except shipping expense) for any product malfunction due to the product quality under normal operation. Charges will be assessed to any repair at cost outside of the warranty period.

### **WTC-2000 UNIVERSAL CORD ADAPTING DRAPERY MOTOR WARRANTY**

1. This warranty is attached to each product package. Customer is advised to keep it in a safe place. This warranty along with the purchase receipt must be presented to claim warranty repair or replacement.
2. Wisetech International Corp. will undertake repair or replacement for any product malfunction after it is examined and determined by our service center that the unit has not been broken or tampered with within the 3-year limited warranty period from the date of purchase.
3. This warranty does not cover damages caused by abnormal usage, operating in violation of the instruction manual, use of another transformer, or if the product has been tampered with, or due to normal wear and tear.
4. Repair outside of warranty period or repair of non-warranty items or components will be assessed a charge deemed reasonable as determined by the manufacturer.
5. This warranty does not cover shipping expenses for returned products.
6. Wisetech International Corporation Service Center:  
E-mail: [customerservice@wisetechcorp.com](mailto:customerservice@wisetechcorp.com)