Awnings By Zip Dee®

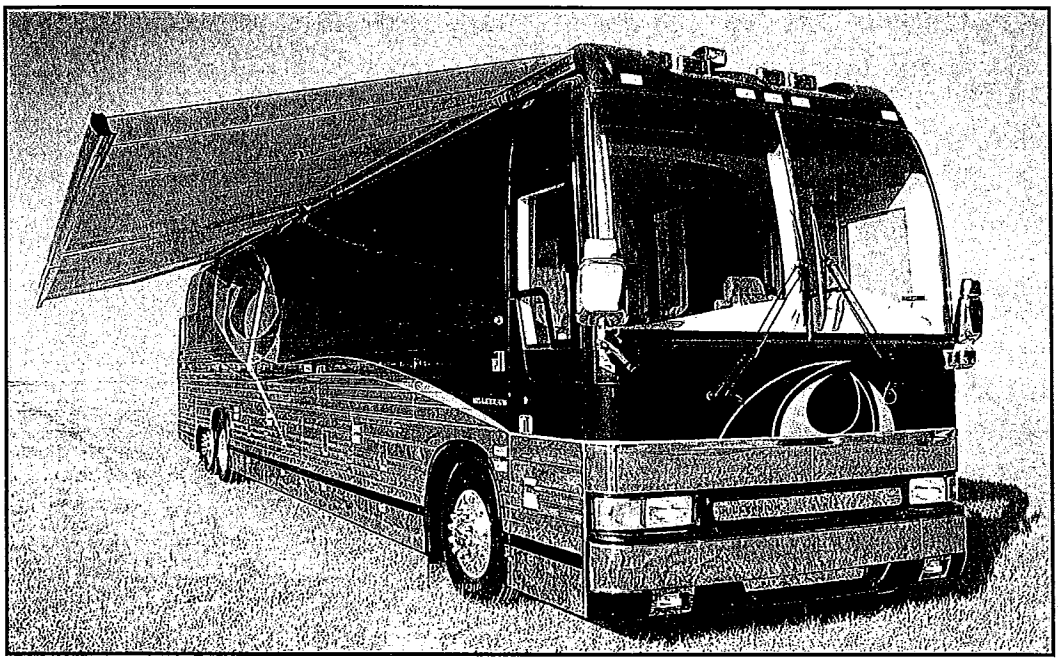

Photo Courtesy of Millennium Luxury Coach Co.

Century
Lateral Arm Awning

OWNER'S MANUAL
Operation, Maintenance, Adjustments and Repairs

Revised September 2008

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Zip Dee Century Awning Features :

- Single touch open and close operation from either a hand held remote or a fixed wall switch.
- Stop function that allows you to use your awning in any position between fully open and fully closed.
- A wind sensor that automatically closes your awning when the wind speed exceeds a safe limit.
- A manual override that allows you to manually close or open your awning in case of a loss of power.
- An attractive aluminum housing, assembled with stainless steel fasteners.
- High quality Sunbrella® acrylic fabric.

General Precautions

- Make sure that the space the awning will be opening into is clear before opening.
- Do not leave manual override wheel in the motor drive when not in use.
- Remove any large pieces of debris that may have accumulated on the awning, before attempting to retract the awning.
- Retract awning during storm, rain or snow.
- Do not attempt to move vehicle with awnings extended.

OPERATING INSTRUCTIONS

1. Open the awning by using either the wall switch (Fig. 1) or hand held remote (Fig. 2).

2. The remote transmitter has 4 channels for independently controlling up to 4 awnings. Use the round channel selector button to select the awning to be controlled, indicated by flashing LED above the button. Then press the UP, Down or Stop button. To change selections, see installation instructions.

3. Close the awning by using either the low voltage switch or hand held remote. The awning will retract and automatically stop at the fully closed position.

4. Pressing the Stop button at any point during the open or close cycle, will freeze the awning in its current position. To return the awning to either the open or close position, simply press the appropriate button on either the wall switch or the hand held remote.

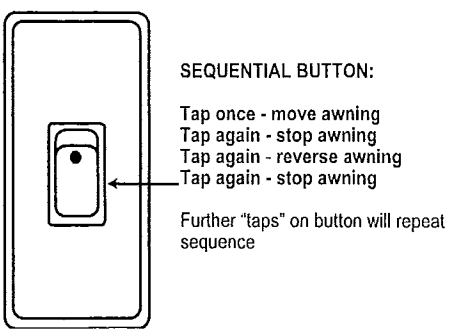


Fig. 1

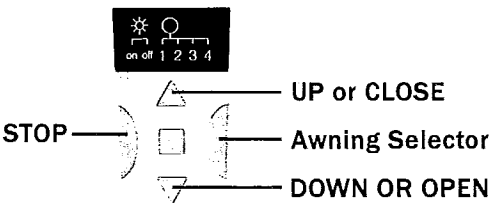


Fig. 2

Note: Awning motors are designed for short-term operation of not more than 4-5 minutes per hour. Repeated rolling out and rolling in of the awning may lead to overheating of the motor, which then will be shut off by the integrated overload protection. The motor can be operated again only after it has cooled off sufficiently, which may require 30 to 60 minutes, depending on outside temperature

Manual Override

Determine which end of the awning houses the motor (the cord should exit the back of the enclosure nearest the motor end). Remove the plastic plug closest to the front cover. Insert the emergency crank through the top of the enclosure and into the motor housing as shown in Fig. 2 (the crank should come within an inch of the top of the awning when it is fully inserted). If the motor is in the right hand end of the awning, rotate the crank counter clockwise to open or clockwise to close the awning. If the motor is in the left hand end, the direction of rotation will be the opposite of the above.

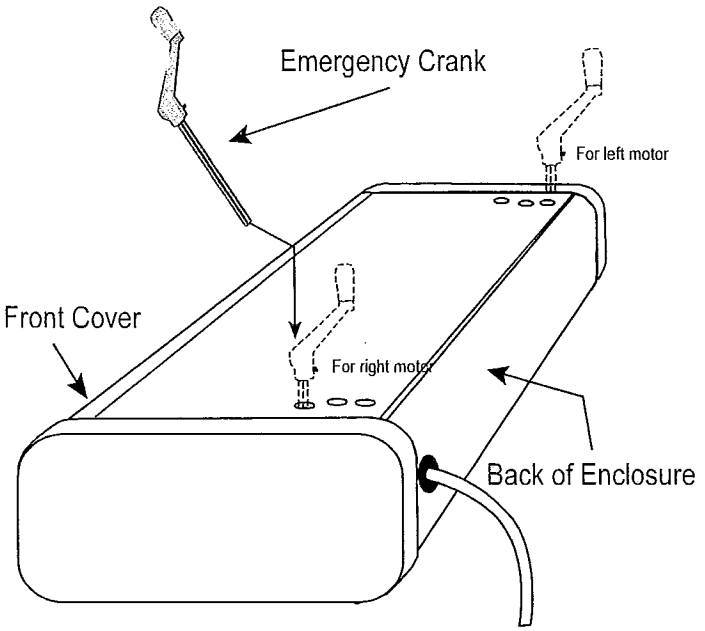


Fig. 2

Warning: Attaching a motor of any kind to the manual override drive can damage the motor.

Wind Speed Sensitivity Setting

The anemometer sensitivity adjustment (in the control box) is preset at 22 mph. DO NOT CHANGE THIS SETTING. Changing the wind speed setting could void any warranty AND MAY CAUSE DAMAGE TO BOTH THE AWNING AND THE VEHICLE.

When the awning is open and the wind speed is greater than 22 mph for more than 2 seconds, the awning will close. As long as the wind speed remains high, all other commands will be ignored.

When the wind speed drops below the set value, the controls will return to normal operation following a very brief delay.

Maintenance

The Zip Dee Century awning needs little maintenance service other than an occasional cleaning of the hardware and fabric. However, it is recommended to check once or twice per year whether all mounting screws are tight.

Care of Awning Fabric:

Cleaning: The beautiful fabric of your Zip Dee Century Awning is Sunbrella® - made of acrylic fibers which cannot rot or mildew. Your awning can be rolled up wet if necessary, but be sure to open it up to dry as soon as possible.

Acrylic fabric is a synthetic and cannot support mildew or other plant growth. However, mildew can grow on pollen, grain dust, plant spores, or other airborne organic material, which can accumulate on the awning or in the weave. Mildew that grows on this foreign matter can leave an unsightly stain which, although not harmful to the fabric, can be difficult to remove. To minimize the chance of a stain, keep the awning fabric clean by following the steps below. Don't wait for stains or dirt to become visible. In the case of fabric, what you don't see can hurt!

- Once a month, loosen hardened dirt and dust with a dry, medium bristle brush. Then thoroughly rinse both top and bottom of the awning with a hose.

- Seasonally, wash your awning with **Zip Dee WashOut Acrylic Awning Cleaner.** Wash both sides of the awning with the solution while scrubbing with a medium bristle brush. Saturate the fabric and leave the solution on for 15 - 20 minutes. Keep the fabric saturated by reapplying solution as needed. Rinse thoroughly. Repeat, if necessary, until stains disappear.

- Never use a strong detergent or stain remover such as 409® or Fantastic® on your awning. These can destroy the water repellence of the fabric.

Water Leaks: If leaking occurs after washing, it is usually the result of insufficient rinsing. Rinse as often as needed to remove all solution. If water drips through the needle holes in the stitching, you can use a commercial seam sealer, available in canvas and trailer supply stores. You may also apply paraffin wax to the top of the seams. However, as the awning "weathers," these holes will normally heal themselves.

It is normal for slight leakage to occur through the fabric where water is allowed to accumulate or "pocket" on the fabric. Sometimes soap or chemical residue from insect fogs or sprays can "wet" the fabric so that it appears unable to repel water. Wash the fabric as described above and test for water repellence after it dries. If leakage continues after repeated washing and rinsing, please contact Zip Dee concerning further maintenance.

General Information

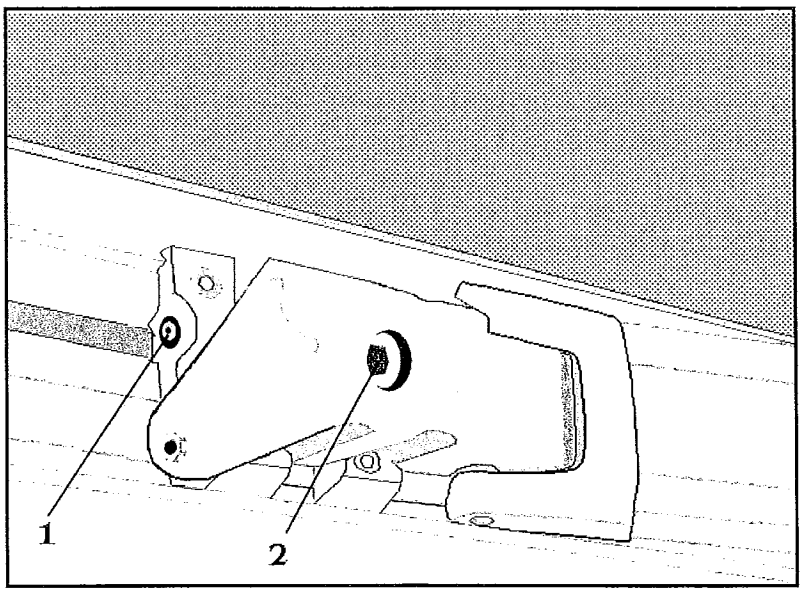
Please don't forget, if any defects are repaired by a non-authorized person, you may jeopardize the safety of your system and any claims you may have under the warranty.

Therefore, please call Zip Dee at 800-338-2378 or your authorized dealer immediately and do not perform any repair yourself. Your authorized dealer will be delighted to help you quickly and expertly.

ADJUSTMENTS

Adjustment and Change of Pitch

- Extend awning fully open.
- Loosen the set-screw 1 with a 4mm Allen hex key.
- Take the load off of the adjusting element, carefully lift the articulated arm or front bar of the awning until the round screw 2 can be turned easily.
- Turning the screw to the left (counter-clockwise) increases the pitch (the articulated arm moves downward). Turning to the right (clockwise) reduces the pitch.



1. Pitch Adjustment Set Screw (4 mm)

2. Pitch Adjustment Screw (8 mm)

Note: In order to avoid damage to the Front Cover mounting, the difference of the Pitch between the articulated arms shall not be larger than 10°.

- Repeat the adjustment procedure on the other articulated arm.
- Upon repeated adjustments made, tighten the set screw 1.

Adjust limits on motor

Remove plastic plugs from the Limit Adjustment Access holes on the end of the awning nearest the power cord (usually the right end). If the cord exits from the lefthand end of the awning, the position of the limit switches will be reversed, but the direction of rotation will remain the same.

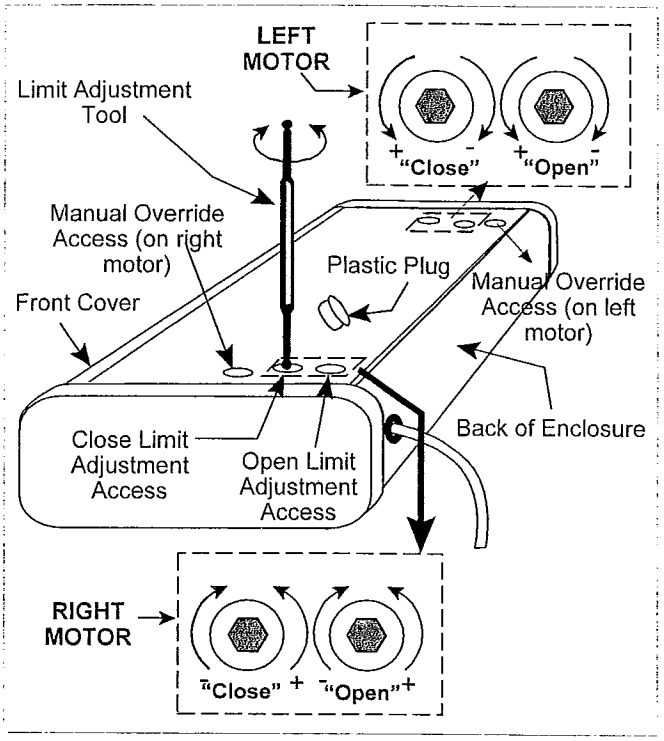


Fig. 5

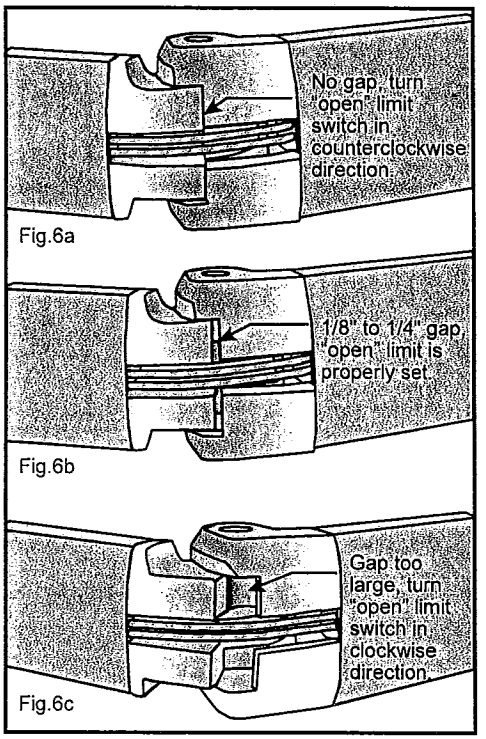


Fig. 6

Setting The Open Limit

Press the open button on either the remote or the wall switch. When the awning stops, the elbow of the lateral arms should have a 1/8" to 1/4" gap as in **Fig. 6b**.

If the elbow of the arm closes completely as in **Fig. 6a**, the motor has opened too far and the limit must be decreased by turning the open limit in a clockwise direction.

If the elbow is open more than 1/4" as in **Fig. 6c**, the motor has not opened far enough and the limit must be increased by turning the open limit in a counterclockwise direction.

Setting The Close Limit

Press the close button on either the remote or the wall switch. If the awning closes tightly, listen closely for a humming sound at the motor end. If there is no hum, the close limit is properly set.

If you hear a slight hum, the motor is still running and must be stopped with the stop button and the close limit must be decreased by turning the close limit in a clockwise direction.

If the motor stops before the awning closes tightly, the motor has not closed far enough and the limit must be increased by turning the close limit in a counterclockwise direction.

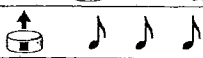
Programming:

Each radio control unit is recognised by the receiver incorporated in control unit by means of a unequivocal "code". A "storing" phase must therefore be performed in order to allow the control unit to recognise each single radio control unit.

⚠ **ATTENTION: All the storing sequences are timed, that is, they must be completed within the programmed time limits.**

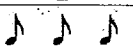
- **For radio control units with more than one "unit", choose the unit to associate the control unit with before proceeding with the storing phase.**
- **Programming via radio may be done on all the control units within the range of the transmitter; only the one involved in the operation should be kept switched on, therefore.**

When the memory contains no codes the first radio control unit can be entered as follows:

Table "A1"	Memorising the first transmitter (fig. 4)	Example
1.	As soon as the control unit is powered, 2 long beeps will sound	
2.	Within 5 seconds press and hold down button ■ of the transmitter to memorise (for approx. 3 seconds)	 3s
3.	Release button ■ when you hear the first of the 3 beeps confirming memorisation	

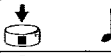
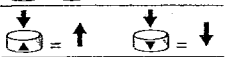
N.B.: If the control unit already contains codes, 2 short beeps will be heard when it is switched on. This means that the above procedure is not valid and another memorisation procedure must be used.

When one or more transmitters have already been memorised, others may be enabled as follows:

Table "A2"	Memorising other transmitters (fig. 5)	Example
1.	Press and hold down button ■ of the new transmitter until you hear a beep (after about 5 seconds)	 5s
2.	Press button ■ of a previously enabled transmitter slowly 3 times (old)	 X3
3.	Press button ■ of the new transmitter again.	
4.	At the end, 3 beeps will indicate that the new transmitter has been memorised correctly.	

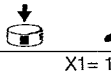
N.B.: If the memory is full (14 codes), 6 beeps will indicate that the transmitter can no longer be memorised.

When the direction of movement with respect to the radio control unit buttons must be inverted, proceed as follows

Table "A3"	Inverting the direction of the motor with respect to the controls (fig. 6)	Example
1.	Press and hold down button ■ of a previously memorised transmitter until you hear a beep (after about 5 seconds)	 5s
2.	Then hold down both the ▲ and the ▼ button (approx. 4 seconds) until you hear the first of the 3 beeps confirming that the direction has been inverted	 4s
3.	Test the new direction of the manoeuvre, ▲ should correspond to "up" while ▼ should correspond to "down".	

⚠ **if the anemometer triggers, this will cause the motor to carry out a manoeuvre equivalent to the ▲ button**

If a wind sensor is connected to the "sensors" input it is possible to select the cut-in level from 3 possible levels: 1= 15 km/h, 2= 30 km/h and 3= 45 km/h (the level was originally n° 2). When the level is exceeded for over 3 seconds, a command equivalent to the ▲ button is activated and all other movements are blocked until the wind returns to under the programmed level. To modify the programmed level:

Table "A4"	Changing the "wind" protection cut-in level (fig. 7)	Example
1.	Press button ■ of a previously memorised transmitter until you hear a beep (after about 5 seconds)	 5s
2.	Slowly press the ▲ button a number of times (1, 2 or 3) equal to the required level	 X1= 15 km/h X2= 30 km/h X3= 45 km/h
3.	After a few moments you will hear a number of beeps equal to the required level	 X1= 15 km/h X2= 30 km/h X3= 45 km/h
4.	Press button ■ to confirm, otherwise wait for at least 5 seconds without confirming in order to abort the procedure without changing the previous level	

Deleting the memory of the control unit:

If you need to delete all the data contained in the memory of the control unit, carry out the following procedure.
The memory can be deleted:
- with a non-memorised transmitter starting from point A.
- with a previously memorised transmitter starting the procedure from point N° 1

The following can be deleted:
- only the transmitter codes, finishing at point N° 4
- all data (transmitter codes, directions, wind levels, TTBUS addresses, etc.), completing the procedure.

Table "A5"	Memory deletion (fig. 8)	Example
➨ A	Switch the motor off, activate the Step-by-Step input and keep it active until the end of the procedure	OFF PP
B	Power the motor and wait for the 2 initial beeps	ON ♪ ♪
➨ 1	Press and hold down button ■ of a transmitter until you hear a beep (after about 5 seconds)	♪ 5s
2	Hold down the ▲ button of the transmitter until you hear 3 beeps; release the ▲ button exactly during the third beep	♪ ♪ ♪
3	Hold down the ■ button of the transmitter until you hear 3 beeps; release the ■ button exactly during the third beep	♪ ♪ ♪
➨ 4	Hold down the ▼ button of the transmitter until you hear 3 beeps; release the ▼ button exactly during the third beep	♪ ♪ ♪
5	If you wish to delete all the data, press the ▲ and ▼ buttons together within 2 seconds and then release them.	within 2 s

After a few seconds 5 beeps signal that all the memorised codes have been deleted.

Operating:

Single channel transmitter:
Press the UP; DOWN or STOP button.
Four channels transmitter:
Select the channel of the motor module you wish to control, by pressing the channel selector button, until the corresponding LED blinks for 3 seconds (The channel will remain active for 30 seconds and then the transmitter returns to default
channel 1). Press the UP; DOWN or STOP button.

Open the awning by using either the low voltage switch or the transmitter (Fig. 10). The awning should extend and automatically stop at the fully open position. If there is no response, see the troubleshooting guide.

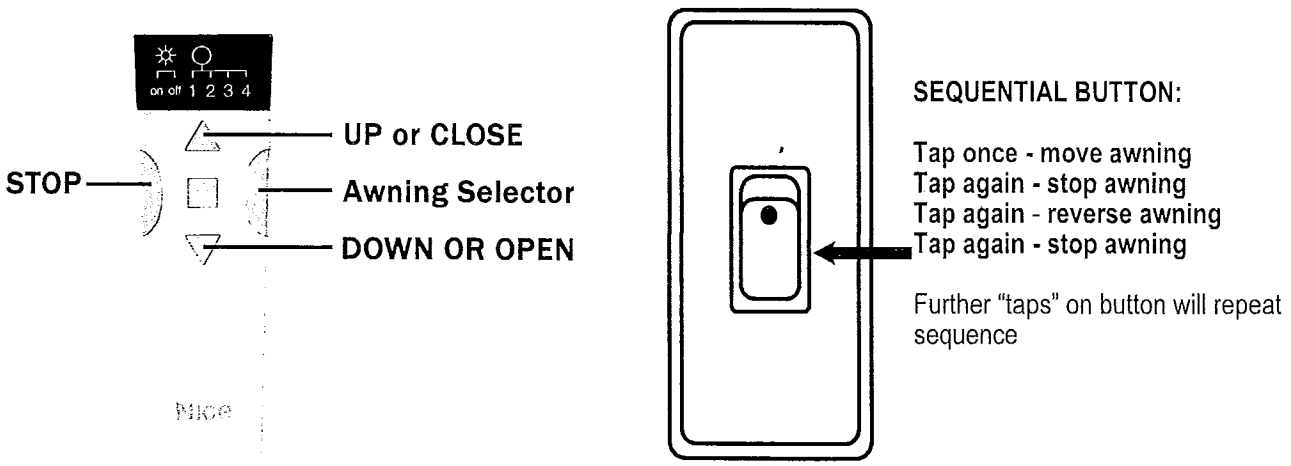


Fig.10

The arms should also be fully extended and the fabric taut. If not, refer to the troubleshooting guide. The pitch of the fabric (the slope from the box to the front cover) should be the same at each end. If not, see the troubleshooting guide.

Close the awning by pushing the appropriate button on the same control used in Step 2. The motor should stop when the front cover is completely closed. There should be no gaps along the edge of the cover where it meets the box. Note: unless the environment is very quiet, it may be necessary to be close to the end of the box where the motor is located to hear that it has shut off simultaneously with the cover sealing. To test, push the "Stop" button. There will be an audible *click* if the motor was running. Otherwise, see Troubleshooting Guide.

Open the awning again and press the Stop button when the awning is partially open. Close the awning and repeat Steps 2 and 3 with the other control.

When the awning is open and the wind speed is greater than 22 mph for more than 2 seconds, the awning will close. As long as the wind speed remains high, all other commands will be ignored.

When the wind speed drops below the set value, the controls will return to normal operation following a very brief delay.

Note: Awning motors are designed for short-term operation of not more than 4-5 minutes per hour. Repeated rolling out and rolling in of the awning may lead to overheating of the motor, which then will be shut off by the integrated overload protection. The motor can be operated again only after it has cooled off sufficiently, which may requires 30 to 60 minutes, depending on outside temperature.

Awnings By Zip Dee, Inc.

www.ZipDeeinc.com

LIMITED WARRANTY

Century
Lateral Arm Awning

Awnings By Zip Dee, Inc. warrants that the Century awning, except fabric and electrical components, will be free from defects in materials and workmanship under the normal use for which it was designed for as long as you (the original owner) own it.

The **motor** and related electronics are warranted for five (5) years from the original date of purchase to the original owner.

The **fabric** (not the stitching) is warranted for five (5) years against becoming unserviceable because of excessive fading (some overall color change from ultra-violet rays is often unavoidable) or loss of strength from normal exposure conditions such as sunlight, mildew and normal atmospheric chemicals. NOT COVERED: simple stains from mildew; thread deterioration.

Labor for authorized warranty repairs will be paid to approved dealers for up to the hours specified in the Warranty Labor Schedule, provided that notice of the defect is received at Awnings By Zip Dee, Inc. within one (1) year from the date of purchase.

While this warranty is in effect and following written notification to Awnings By Zip Dee, Inc., Awnings By Zip Dee, Inc., at no cost to you, shall repair or replace the awning or any part thereof which is under warranty and which fails to function as warranted. However, this warranty shall not apply and Awnings By Zip Dee, Inc. shall not be responsible to repair or replace the awning or any part thereof because of damage caused by misuse or neglect of the awning or by failure to adhere to the written operating, maintenance and installation instructions. The warranty shall not apply to any awning which has been altered or repaired by anyone other than Awnings By Zip Dee Inc. or by its authorized service representatives.

This warranty for hardware and fabric does not cover damage or wear which we determine resulted from misuse, negligence or accident, including rain and wind.

This warranty is in lieu of all other warranties, expressed or implied, including any implied warranty of merchantability or any other obligation or liability on the part of Awnings By Zip Dee, Inc. No person or representative is authorized to make any other warranty or assume any liability other than what is contained in this warranty. This warranty gives you specific legal rights, you may also have other legal rights which vary from state to state.