


Report No.	:	SR201906033586F01
Report Issue Date	:	July 5, 2019
Issue By	:	Hart
Audit By	:	MT
Issue No.	:	TR 032 A01
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GUANGZHOU XINZUHE HARDWARE AND FURNITURE CO., LTD.
NO. 2, BUILDING 29,ZHULIAO STREET, ZHULIAO TOWN, BAIYUN DISTRICT, GUANGZHOU CITY,

SAMPLE DISCRPTION:

Sample Description:	BETTER	
Over size:	1400*700*750-1100mm	
Weight:	42.28KG	
Test Result Summary		
Test(s) Requested	Result(s)	
ANSI/BIFMA X5.5-2014 (Excluding Clause 8.5 Leg Strength Test - Proof)	PASS	
<p>Summary:</p> <p>1: For further details, please refer to the following page(s).</p> <p>2: The tests were carried out between July 1, 2019 and July 10, 2019 at Sky Technology Service Co.Ltd.</p>		
		Sample Photo

Test Conducted:

ANSI/BIFMA X5.5-2014- Desk/Table Products - Tests

Test Items	Test Methods & Requirements	Test Results
4	Stability Test	
4.2	<p>Stability with Extendible Members Open Test</p> <p>Gradually open the loaded extendible element(s) to the fullest extension the unit will allow. (Open simultaneously if there are two extendible elements). The unit shall not tip over. If open extendible members prevent the unit from tipping over due to contact with the test platform, the unit does not meet the acceptance criteria.</p>	N/A
4.3	<p>Stability Under Vertical Load Test</p> <p>Place a 305 mm (12 in.) diameter disk so that its center is 178 mm (7 in.) from the edge of the top at the least stable location. Place a 57 kg (125 lb.) static load on the disk. The unit shall not tip over. If open extendible members prevent the unit from tipping over due to contact with the test platform, the unit does not meet the acceptance criteria</p>	PASS
4.4	<p>Horizontal Stability Test for Desk/Tables with Casters</p> <p>Apply a 11.4 kg (25 lb) static load through a 203 mm (8 in.) diameter disk centered 102 mm (4 in.) from the edge of the top of the desk/table at the least stable location. Gradually apply a horizontal force to the leading edge of the top surface, until 44.5 N (10 lbf.) is reached, or the product tilts to 10 degrees minimum, whichever occurs first. The unit shall not tip over. If an extendible element(s) opens during the test and prevents the unit from tipping over due to contact with the test platform, the unit does not meet the acceptance criteria.</p>	N/A



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Test Items	Test Methods & Requirements	Test Results
4.5	<p>Stability Test for Keyboard/Laptop Tables (with and without casters)</p> <p>Apply a 4.5 kg (10lb) static load through a 203 mm (8 in.) diameter disk centered 102 mm (4 in.) from the edge of the top of the desk/table at the least stable location. Gradually apply a horizontal force to the leading edge of the top surface, until 44.5 N (10 lbf.) is reached, or the product tilts to 10 degrees minimum, whichever occurs first. The unit shall not tip over.</p>	N/A
4.6	<p>Force Stability Test for Tall Desk/Table Products</p> <p>Apply the horizontal forces through the center of a disk that is 203 mm (8 in.) in diameter. Gradually increase the force until 177 N (40 lbf.) is reached, or the product tilts to 10 degrees. The unit shall not tip over, and there shall be no loss of serviceability. Assembled desk/table products shall not disengage. If an extendible element(s) opens during the test and prevents the unit from tipping over due to contact with the test platform, the unit does not meet the acceptance criteria.</p>	PASS
5	Unit Strength Tests	
5.2	<p>Concentrated Functional Load Test</p> <p>Apply the specified concentrated load to the primary surface per Table 1 through a 305 mm (12 in.) diameter disk so that its center is 178 mm (7 in.) from the unit's edge at its apparent weakest point. Loads shall be allowed to remain for 60 minutes and then removed. There shall be no loss of serviceability. Upon completion of the test, the extendible member(s) shall meet the pull force requirements of Section 19.</p>	<p>PASS</p> <p>Load: 91kg</p>
5.3	<p>Distributed Functional Load Test</p> <p>Depending on the desk/table surface classification, apply the specified distributed loads per Table 1 for 60 minutes and then removed. There shall be no loss of serviceability. Upon the completion of the test, the extendible member(s) shall meet the pull force requirements of Section 19.</p>	<p>PASS</p> <p>Load: 113.4kg</p>
5.4	<p>Concentrated Proof Load Test</p> <p>The setup shall be performed per Section 5.2.1 with the appropriate concentrated proof load per Table 1, Loads shall be allowed to remain for 15 minutes and then removed. There shall be no sudden and major change in the structural integrity of the product. Loss of serviceability is acceptable.</p>	<p>PASS</p> <p>Load: 136kg</p>
5.5	<p>Distributed Proof Load Test</p> <p>Perform the setup per Section 5.3.1 using the appropriate distributed proof loads per Table 1, Loads shall be allowed to remain for 15 minutes and then removed. There shall be no sudden and major change in the structural integrity of the product. Loss of serviceability is acceptable.</p>	<p>PASS</p> <p>Load: 172kg</p>



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Test Items	Test Methods & Requirements	Test Results
5.6	<p>Transaction Surface Torsion Load Test</p> <p>Attach a strap or stranded metallic cable to one edge of the transaction surface at its apparent weakest point. Attach a 34 kg (75 lb.) weight to the free end of the strap or cable for 15 minutes. There shall be no loss of serviceability.</p>	N/A
5.7	Extendible Element Static Load Tests	
5.7.2	<p>Extendible Element Functional Load Tests</p> <p>The functional loading tests for extendible elements are performed as described in Section 5.2 and 5.3 and need not be repeated if they have already been performed.</p>	N/A
5.7.3	<p>Extendible Element Proof Load Tests</p> <p>Uniformly distribute a proof load per Table 1 in the selected extendible element. Close the extendible element and allow the load to remain for 15 minutes. Open the extendible element, allow the load to remain for 15 minutes, and then remove the load. There shall be no sudden and major change in the structural integrity of the product. Loss of serviceability is acceptable.</p>	N/A
5.8	<p>Benching Systems - Distributed Functional Load and Stability Test</p> <p>Apply the distributed functional loads from Table 1 to the primary surface(s) evenly distributed and centered over a line 178 mm (7 in.) in from the edge along the front (working) edge. For surfaces that are less than 406 mm (16 in.) deep, evenly distribute the load across the surface. Loads shall be allowed to remain for 60 minutes. There shall be no loss of serviceability. The system shall not tip over.</p>	N/A
5.9	<p>Benching Systems - Distributed Proof Load Test</p> <p>Perform the setup per Section 5.8.1 except the unit shall be secured (to prevent tipping) for the Proof Load Test. Apply the appropriate distributed proof loads per Table 1 to all primary surfaces and functional loads (distributed for surface loadings) to all secondary surfaces and extendible elements. The largest two extendible elements shall be fully opened for the duration of the test. If the unit contains an interlock that will not allow two extendible elements to be opened simultaneously, open the largest capacity extendible element. If necessary, the closed extendible elements may be secured to assure they remain closed throughout the test. Loads shall be allowed to remain for 15 minutes. There shall be no sudden and major change in the structural integrity of the product. Loss of serviceability is acceptable.</p>	N/A



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Test Items	Test Methods & Requirements	Test Results
6	<p>Top Load Ease Cycle Test</p> <p>The bag of 200 lbs (91kg) shall be raised until the entire weight is off the primary surface and then eased (without impact) onto the primary surface for a total of 10,000 cycles, so that it takes the entire weight without any support from the cycling device. There shall be no loss of serviceability to the unit. Before and after the cycling test, the extendible elements shall meet the pull force test requirements in Section 19.</p>	PASS
7	<p>Desk / Table Unit Drop Test</p> <p>Determine the weight of the unloaded desk/table unit to be tested. Raise one end of the long axis of the unloaded unit so that the bottom of the base is above the test platform at the height given in Table 3. The end of the unit being tested shall be released and allowed a free fall to the test platform. There shall be no loss of serviceability. Before and after the drop test, the extendible elements shall meet the pull force test requirements in Section 19.</p>	PASS
8	<p>Leg Strength Test</p>	
8.3	<p>Leg Strength Test - Functional</p> <p>Attach a loading device to the support member to be loaded. The placement of the loading device shall be within 25 mm (1 in.) of the end of the support member/glide assembly that makes contact with the floor. Individually and separately apply the functional horizontal forces ("A" and "B"). No loss of serviceability shall occur as a result of the application of the functional loads. After application of the functional loads, each extendible element in a leg-attached desk pedestal shall be tested to and meet the pull force requirements of Section 19. For tilt-top tables, release of the top latching mechanism during the test is considered a loss of serviceability.</p>	<p>PASS</p> <p>Load: A:43kg B:21.5kg</p>
8.5	<p>Leg Strength Test - Proof</p> <p>Repeat the above functional test producer with proof force. Application of the proof loads shall cause no sudden and major change in the structural integrity of the product. Loss of serviceability is acceptable.</p>	<p>N/T See Remark1</p>
9	<p>Separation Tests for Tall Desk / Table Products</p> <p>Place a 136 kg. (300 lb.) load in the center of the primary surface of the desk/table unit to prevent the unit from tipping during the test. Swing a bag that is 203 mm (8 in.) in diameter, weighing 22 kg (50 lb.) and suspended on a cable, through a horizontal distance of 609 mm (24 in.). Impact the unit once each at the specified locations. The attached or stackable units shall not become totally separated (fall off) from the base unit as the result of the impact sequence given. Loss of serviceability is acceptable. Cracked or broken glass is not acceptable.</p>	N/A



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Test Items	Test Methods & Requirements	Test Results
10	Extendible Element Cycle Test	
10.2	<p>Cycle Test for Extendible Element Deeper Than Wide</p> <p>The extendible element being tested shall be uniformly loaded to the functional load per Table 1. The extendible element shall be subjected to 50,000 cycles. There shall be no loss of serviceability. Before and after the cycle test, the extendible element(s) shall meet the pull force requirements of Section 19. After the cycle test, the extendible elements, if applicable shall meet the interlock test requirements of Section 13.</p>	N/A
10.3	<p>Cycle Test for Extendible Element Wider Than Deep</p> <p>The extendible element being tested shall be uniformly loaded to the functional load per Table 1. The extendible element shall be subjected to 50,000 cycles per Table 4. There shall be no loss of serviceability. Before and after the cycle test, the extendible element(s) shall meet the pull force requirements of Section 19. After the cycle test, the extendible elements, if applicable shall meet the interlock test requirements of Section 13.</p>	N/A
10.4	<p>Cycle Test for Low Height Drawers</p> <p>The low height drawer shall be uniformly loaded per Table 1 and subjected to 10,000 cycles. There shall be no loss of serviceability. Before and after the cycle test, the low height drawer shall meet the pull force requirements of Section 19.</p>	N/A
11	<p>Extendible Element Retention Impact and Durability (Out Stop) Tests</p> <p>The extendible element being tested shall be uniformly loaded to the functional load per Table 1. A stranded metallic cable shall be attached to the most rigid point of the vertical centerline of the extendible element. Remove the weight restraint. Move the fully extended extendible element 51 mm (2 in.) toward the closed position and then release it rapidly, allowing it to impact the out stop. The distance traveled by the weight shall not be restrained. This procedure shall be repeated 15,000 cycles at a rate of 14 ± 6 cycles per minute. There shall be no loss of serviceability. After performing the Retention Tests, the extendible element shall meet the pull force requirements of Section 19.</p>	N/A
12	<p>Extendible Element Rebound Test</p> <p>The extendible element to be tested shall be loaded to the functional load requirements in Table 1. The extendible element shall be opened (through the free travel space) against the force gauge to a force of 9.8 N per kg (1 lbf./pound) of extendible element load or 178 N (40 lbf.), whichever force is less. Release the extendible element allowing the force applied by the force gauge to close the extendible element. Record the at-rest position of the extendible element after rebound. There shall be no loss of serviceability. The rebound position of the extendible element shall not exceed 38 mm (1.5 in.) from its closed position after each of the five closings.</p>	N/A



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13	<p>Interlock Strength Test</p> <p>An extendible element without load shall be fully extended, and a horizontal force of 133 N (30 lbf.) shall be individually applied to the center of the pull area(s) of the remaining extendible elements, one at a time. There shall be no loss of serviceability to the interlock system. The unopened extendible elements shall not bypass the interlock system.</p>	N/A
14	<p>Lock Tests</p>	
14.2	<p>Force Tests for Extendible Element Lock</p> <p>A horizontal outward force of 222 N (50 lbf.) shall be applied once at each of the applicable locations indicated in the test setup. An outward and upward force (30 degrees from horizontal) of 222 N (50 lbf.) shall be applied once at each of the applicable locations indicated in the test setup. All extendible elements in the unit shall be uniformly loaded with the functional load per Table 1 and repeat above tests. The extendible elements shall remain in the normal locked position during application of the forces.</p> <p>There shall be no loss of serviceability of the locking mechanism.</p>	N/A
14.3	<p>Force Tests for Door Lock</p> <p>Apply a force of 222 N (50 lbf.) in the direction of initial door travel. The doors shall remain in the normal locked position during application of the forces.</p> <p>There shall be no loss of serviceability of the locking mechanism.</p>	N/A
14.4	<p>Locking Mechanism Cycle Test</p> <p>Cycle the locking mechanism through its full range of motion for 5000 cycles. Each cycle shall consist of a complete locking and unlocking of the mechanism. There shall be no loss of serviceability of the locking mechanism</p>	N/A
15	<p>Work Surface Vertical Adjustment Test</p> <p>Apply a test load of 45 kg (100 lb.) through a 305 mm (12 in.) diameter disk with the center of the disk on a line 305 mm (12 in.) in from the working edge of the surface or at the midpoint, whichever is nearer the working edge. The unit, including any latches or activation mechanisms, shall be cycled for 1000 cycles in each quartile of full travel for a total of 4000 cycles. There shall be no loss of serviceability to the unit. For tables with crank driven height adjustment mechanisms, the operating force on the handle to adjust the table shall not exceed 50 N (11.2 lbf.) before or after the test.</p>	PASS See Remark 2
16	<p>Keyboard Support and Input Device Support Adjustment Tests</p> <p>Apply an evenly distributed 4.5 kg (10 lb.) load across the keyboard support surface. The adjustable keyboard support and input device support shall be subjected to 2500 cycles.</p> <p>There shall be no loss of serviceability</p>	N/A



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Test Items	Test Methods & Requirements	Test Results
17	Door Test	
17.2	<p>Strength Test for Vertical Hinged Doors, Bi-fold Doors, and Vertically Receding Doors</p> <p>Attach the specified load per Table 6 so that it is equally distributed on both sides of the door and its center of gravity acts 100 mm (4 in.) from the edge of the door opposite the hinge.</p> <p>Cycle the door 10 times from a position 45 degrees from fully closed to a position 10 degrees from fully open (but not more than 135 degrees) and return. For bi-fold doors, cycle the door from a position 50 mm (2 in.) from fully closed to a position 50 mm (2 in.) from fully open and return. There shall be no loss of serviceability to the unit.</p>	N/A
17.3	<p>Hinge Override Test for Vertically Hinged Doors</p> <p>Apply a 60 N (13.5 lbf.) horizontal force perpendicular to the plane of the door on its horizontal centerline 100 mm (4 in.) from the edge farthest from the hinge. There shall be no loss of serviceability to the desk/table unit or its components.</p>	N/A
17.4	<p>Vertical Receding Doors Strength Test</p> <p>Apply the 80 N (18 lbf.) horizontal force perpendicular to the plane of the door on its horizontal centerline 100 mm (4 in.) from the edge farthest from the hinge for 10 times. Repeat the test with the force application to the opposite side of the door. There shall be no loss of serviceability to the desk/table unit or its components.</p>	N/A
17.5	<p>Horizontal Receding Doors Strength Test</p> <p>Apply the 80 N (18 lbf.) downward force perpendicular to the plane of the door on its horizontal centerline 25 mm (1 in.) from the edge farthest from the hinge for 10 times. There shall be no loss of serviceability to the desk/table unit or its components</p>	N/A
17.6	<p>Wear and Fatigue Test for Hinged, Horizontally Sliding, and Tambour Doors</p> <p>Cycle the door for a total of 20,000 cycles as specified in Table 7 (See page 81). The cyclic rate shall be 12 ± 4 cycles per minute unless the rate is controlled by the door operating mechanisms. There shall be no loss of serviceability to the desk/table unit or its components.</p>	N/A
17.7	<p>Wear and Fatigue Test for Vertical Receding Doors</p> <p>Cycle the door for a total of 10,000 cycles. Before and after the cycle test, the door shall meet the pull force requirements of Section 19. The door shall have no loss of serviceability.</p>	N/A
17.8	<p>Wear and Fatigue Test for Horizontal Receding Doors</p> <p>The door shall be cycled according to the requirements of Table 7. The door may be supported in a horizontal plane during the pull force test. Before and after the cycle test, the door shall meet the pull force requirements of Section 19. The door shall have no loss of serviceability.</p>	N/A



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Test Items	Test Methods & Requirements	Test Results
17.9.3	<p>Vertical and Horizontal Receding Door Out Stop Test - Cyclic Impact</p> <p>The door with stranded metallic cable and hanging weight shall be held 38 mm (1.5 in.) from the closed position and then released, permitting it to open rapidly and impact the out stops for a total of 5 times. There shall be no loss of serviceability. Before and after performing the cyclic out stop test, the extendible element shall meet the pull force requirements of Section 19.</p>	N/A
17.9.4	<p>Vertical and Horizontal Receding Door Out Stop Test - Cyclic Durability</p> <p>A device shall be used to move the door 51 mm (2 in.) toward the stowed position and then to release it rapidly, allowing it to impact the out stop. This procedure shall be repeated 5000 cycles at a rate of 10 ± 2 cycles per minute. There shall be no loss of serviceability. Before and after performing the cyclic out stop test, the extendible element shall meet the pull force requirements of Section 19.</p>	N/A
17.10	<p>Slam Closed Test for Vertically Hinged and Vertically Receding Doors</p> <p>Load door shelves according to Table 1. The door with cable and hanging weight shall be held at 300 mm (12 in.) or 30 degrees from the closed position and then released, permitting the door to close, allowing it to impact the desk/table product case. Repeat this procedure for a total of 10 times without resetting the loading gaps. There shall be no loss of serviceability</p>	N/A
17.11	<p>Drop Cycle Test for Horizontally Hinged and Horizontally Receding Doors</p> <p>The door shall be lifted and dropped 200 times at a rate not to exceed 10 cycles per minute. There shall be no loss of serviceability to the desk/table unit or its components.</p>	N/A
17.12	<p>Slam Test for Doors Which Free Fall Open or Closed</p> <p>Allow the door to fall freely/open freely. Repeat for 50 cycles in each direction. There shall be no loss of serviceability to the desk/table unit or its components.</p>	N/A
17.13	<p>Slam Open and Closed Test for Doors That Do Not Free Fall</p> <p>Move the door, lifting the weight so the door will travel 300 mm (11.8 in.) or to the doorstop opposite the one to be impacted, whichever is less. Release the door, permitting the door to move rapidly, allowing it to impact the doorstop for 10 times. Repeat above test, impact the opposite door stop on the same door. There shall be no loss of serviceability to the desk/table unit or its components.</p>	N/A
17.14	<p>Door Latch Test</p> <p>Operate the latch 20,000 times. There shall be no loss of serviceability to the door or its latching mechanism.</p>	N/A
18	<p>Durability Test for Desks and Tables with Casters</p> <p>Cycle the desk/table unit for the appropriate number of cycles over a platform with and without obstructions. There shall be no loss of serviceability to a caster or the desk/table.</p>	N/A



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Test Items	Test Methods & Requirements	Test Results
19	<p>Pull Force Test</p> <p>Open the extendible element or door from its fully closed position to its fully extended position while measuring the maximum force. The applied force shall not exceed 50 N (11.2 lbf.)</p>	N/A
20	<p>Tilting Top Table -- Cycle Test</p> <p>Move the table top from its in-use position (typically it's horizontal or near horizontal position) to its fully stowed position (typically vertical or near vertical) and then return to its in-use position for 2,500 cycles. The cycle rate shall not exceed 10 cycles per minute. There shall be no loss of serviceability and the table top shall be able to move throughout its range of motion.</p>	N/A
21	<p>Tilting Top Table - Latch Strength Test</p> <p>Apply an upward force of 222 N (50 lbs.) 25 mm (1 in.) inward and at the center of the edge of the table top in the direction that would typically move the table top into its stowed position. With lock/latch engaged, apply a horizontal force of 133 N (30 lbs.) at the center of the edge of the table top in the direction that would typically move the table top into its in-use position. The lock/latch shall retain the top in its test position throughout the application of the test force(s). There shall be no loss of serviceability to the unit.</p>	N/A
22	<p>Monitor Arm Strength Test</p> <p>Extend the monitor arm to its most horizontally extended (worst case) position. A test weight simulating the weight of a monitor shall be placed on the monitor arm in accordance with the manufacturer's maximum load rating. The simulated weight shall not exceed 76 mm (3 in.) in thickness. If no manufacturer's load rating is provided, apply a test weight of 20 kg (44 lbs.). Apply the test weight for 60 minutes. There shall be no loss of serviceability</p>	N/A
23	<p>Monitor Arm Cyclic Test</p> <p>A test weight simulating the weight of a monitor shall be placed on the monitor arm in accordance with the manufacturer's maximum load rating. The simulated weight shall not exceed 76 mm (3 in.) in thickness. If no manufacturer's load rating is provided, apply a test weight of 20 kg (44 lbs.). Move the monitor arm through its entire range of motion(s) for 2,500 cycles, A cycle shall consist of the 90-95% of the adjustment range. There shall be no loss of serviceability. Clamping or clutch mechanisms shall remain functional. Tensioning mechanisms must be capable of being reset to hold the monitor in its pretest position.</p>	N/A

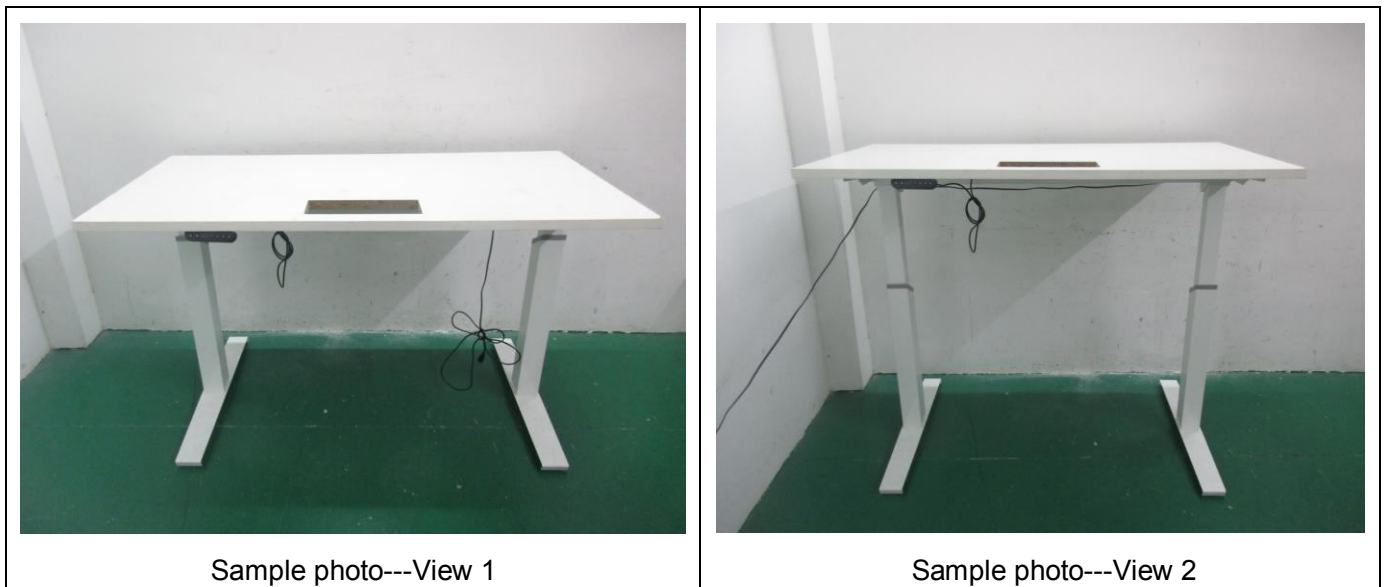
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Test Items	Test Methods & Requirements	Test Results
24	<p>Monitor Arm Dislodgement Test</p> <p>A mock up monitor (test fixture) of the manufacturer' s maximum rated load and size shall be attached to the monitor arm adapter in a manner that simulates the manufacturer' s recommended attachment method. If no load or size is specified, the mock-up monitor shall weigh 20 kg (44 lbs) and have a diagonal dimension of 762 mm (30 in.) with a 16:9 ratio of length to height and a depth no greater than 76 mm (3 in.). Apply a horizontal force of 40 N (9 lbf.) in three directions, There shall be no loss of serviceability.</p>	N/A

Remark:

1. N/T---Not tested as client's requirement;
2. This item was conducted absolutely following client's information for use. The motors shall rest 18 minutes after it continuous worked 2 minutes, based on overheating precautions(mores details please see bellow Information for use Page 5);
3. N/A --- Not applicable;

Photo Appendix



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Sample photo---View 3



Sample photo---View 4



Sample photo---View 5



Sample weight---42.28KG

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Information for use---Page 1

Safety Precautions



- If the product is damaged or missing parts, please do not install to run. Otherwise, it may cause damage to the equipment or personal injury.
- Be aware that the control box can only be connected to the voltage indicated on the label.
- Non-professionals are not allowed to disassemble this product to prevent electric hazards.

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Information for use---Page 2

1. Introduction

The SAJ ICBOX10 intelligent office controller includes SC series s intelligent control box and SH series control panel. The SC series control box is a kind of electric control system which combined with SH series panel together designed for realizing the up and down functions of the adjustable desk. It enjoys many advantages such as low energy consumption, height display, three position settings, inch/centimeter switching and language conversion, etc. It can realize the soft start and stop of the connected columns to ensure the smooth running of the adjustable desk. The control box is small, compact and intuitive. It has plugs for connection of legs and the hand control panel in each end of the box. And it is equipped with cable slots at the bottom making it easy to lead and hide motor cables from one side to another side to connect with motor.

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2. Function Overview

2.1 Function

Function	<ol style="list-style-type: none"> 1. 3 memory positions 2. Anti-collision Stop 3. Reset function 4. Display the Lifting Height with White LED 5. Prevent pressing keys frequently to protect the system 6. Height display unit can be switched 7. Location power-down memory 8. Slow start, slow stop 9. Base height setting 10. Lifting height range setting 11. Automatically enter standby mode after stop working 60 S
Protection Measure	<p>Overheating Protection included Over-current Protection included Tiit protection</p>
Low Consumption	0.1 W in standby mode

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2.2 Technical Specifications

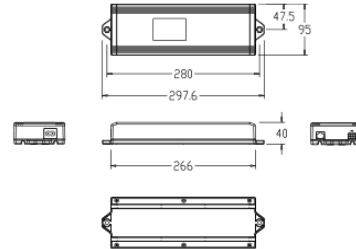
Input	100-240 VAC, 50/60Hz, Max 3A
Output	SC01-1: Max 32 VDC, 4.5A SC01-2: Max 32 VDC, 7.0A
Number of Actuators	SC01-1 Control box supports 1 motors SC01-2 Control box supports 2 motors
Duty Cycle	Max 10%, 2 min on, 18 min off
Overload Protection	Quick-break
Standby Power	0.1 W
Certification	CE
Operating Ambient Temperature	-20° C ~50° C
Color	Black

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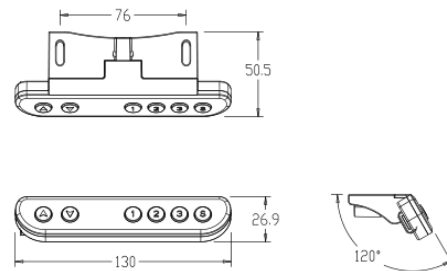
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3. Dimensions (mm)

Control Box:



Hand control panel:

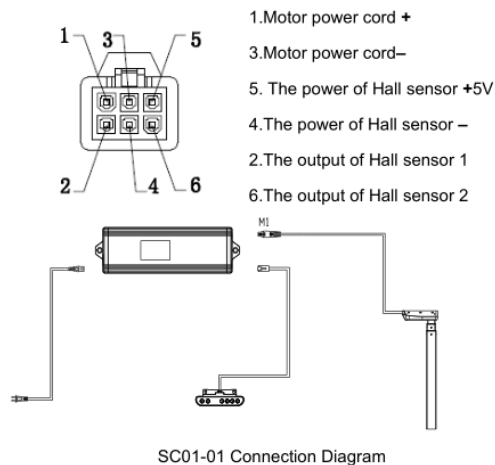


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4. Connection Diagram

The motor cable is optional, and the definition of motor cable port as follow:



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Display Help

Display content	Description	Troubleshooting Help
Digit	The current height of the adjustable desk (unit:inch/cm)	The unit will be set before EX-factory.
E01	The fault of motor 1 Cause: The cable of motor 1 is not connected	1. Check whether the cable of motor 1 is properly connected to the control box. 2. Check whether the cable of motor 1 is intact. 3. After troubleshooting, press any key to clear the error code to resume running(except S key)
E02	The fault of motor 2 Cause: The cable of motor 2 is not connected	1. Check whether the cable of motor 2 is properly connected to the control box. 2. Check whether the cable of motor 2 is intact. 3. After troubleshooting, press any key to clear the error code to resume running(except S key)

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E04	Missing Hall signal of motor 1 Cause: The Hall cord of motor 1 is not connected	1. Check whether the Hall cord of motor 1 is properly connected to the control box. 2. Check whether the Hall cord of motor 1 is intact. 3. After troubleshooting, press any key to clear the error code to resume running(except S key)
E05	Missing Hall signal of motor 2 Cause: The Hall cord of motor 2 is not connected	1. Check whether the Hall cord of motor 2 is properly connected to the control box. 2. Check whether the Hall cord of motor 2 is intact. 3. After troubleshooting, press any key to clear the error code to resume running(except S key)
E07	Over-current of motor 1 Cause: Overload, Mechanical fault	Lighten the load to not exceeding the max load, or troubleshooting the mechanical problem. Then after 8 seconds, press any key to clear the error code to resume running(except S key)

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E08	Over-current of motor 2 Cause: Overload, Mechanical fault	Lighten the load to not exceeding the max load, or troubleshooting the mechanical problem. Then after 8 seconds, press any key to clear the error code to resume running(except S key)
E10	The desk is unbalanced Cause: The two motors are running out of sync.	The desk must be reset and only the DOWN key works. Press the UP key and Down key for 5 seconds and hold it until the reset is completed. Then the error cord can be cleared.
Hot	Motors Overheating Cause: The system automatically detects the motor temperature and if the temperature is overheating, the motor pauses running.	Any key is invalid. When the motors resume running, the hand control will display the current height.

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6.Operations

- Press the UP key and the desk rises. Then release the key, and the desk stops moving
- Press the DOWN key and the desk goes down. Then release the key, desk stops moving.
- Reset: For the first time use or the desk is unbalanced or the LED

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displays the wrong height data, it needs to be reset. Press the UP key and DOWN key for 5 seconds, until the desk bounce back the lowest height displayed by the hand control, then release the key and reset done.

■ After the motor stops working for 60 seconds, the LED screen will go out automatically and enter standby mode. Then you can press any key (except S key) to resume running.

■ How to store a position:

- ① Press the UP or DOWN key to move the desk to the height you want.
- ② Press S key, the display will flash for 5 seconds.
- ③ Within these 5 seconds press one of the memory keys and the position will be stored.
- ④ Use the same process to set up the other 2 memory positions. The 1, 2 and 3 keys on the hand control can store three different height position, and also can be used repeatedly. The height of the memory is still preserved in case of the power off.
- ⑤ To recall your memory position: Press the memory key and hold it to reach your stored position, or press the memory key, then the desk will reach the stored position automatically.(The two modes can be set according to customer's requirements.)

During the running processing, press any keys can stop the desk.

■ Lower limit setting

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While holding down the S key and the 1 key, the digital tube blinks and displays the real-time height. Press the UP or DOWN key to adjust to the minimum height required. Press S to complete the setting.

■ Upper limit operation

While holding down the S key and the 2 key, the digital tube blinks and displays the real-time height. Press the UP or DOWN key to adjust to the maximum height required. Press S to complete the setting.

■ Base height setting

- ① Press the down key to move the desk to the minimum height.
- ② Press the down key 10 seconds to enter the basic height setting interface.
- ③ press the up or down key to adjust the value (press the 3 key to shift), after adjusting the parameters, press 1 key and 2 key to complete the setting .

■ Height display unit switch

Press and hold the S key and the 3 key simultaneously to switch the display unit (cm & inch).

■ Anti-collision sensitivity setting

Press 2&3 key for 5 seconds at the same time, digital tube will be flashing, then press 1 or 2 or 3 or S key, to set anti-collision sensitivity accordingly: high, medium, low and default.

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7. Precautions for Use

- This product only apply to the adjustable desk, do not use for other purposes.
- Make sure that the control box, hand control, and power cord are intact before use. If there is any quality problem, please contact the manufacturer or agents to replace.
- Be aware that the control box can only be connected to the voltage indicated on the label.
- Do not use in places that are susceptible to corrosion or oxidation.
- Do not expose to sunlight or use in high temperature environment, for indoor use only.
- Non-professionals are not allowed to disassemble this product to prevent electric hazards.
- Any after-sales service is to be performed by manufacturer or an authorized service representative

8. Customer Service

Our company provide five years warranty service for this products. If the damage of this product is caused by non-human factors in the normal use within five years from the date of production, please contact the manufacturer or the agent for free warranty service with the warranty card, invoice or valid shopping voucher.

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■ Cautions:

- ① When buying this product, please fill in the warranty card completely, correctly and truly.
- ② When buying this product, please ask for the purchase invoice or valid voucher.
- ③ Please keep the warranty card and purchase invoice or valid voucher.
- ④ Please keep all the accessories and data of your products. If you return or exchange goods, you need to return the whole set of products.
- ⑤ Please ensure that it do not affect the resale of the product when returning or exchanging goods.

■ The following conditions are not covered by the warranty:

- ① Over warranty period.
- ② No purchase invoice or valid voucher, no valid warranty card or fake and shoddy product.
- ③ Damage caused by the operating that unfollowed the instruction.
- ④ Damage caused by human factors, such as falling, flooding and crashing.
- ⑤ Damage caused by unauthorized dis-assembly and repair.
- ⑥ Damage caused by natural disasters such as force majeure.

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Engineer: _____



Hart Qin
Project Handler



Technical Report checked: _____



MT Xie
Designated Reviewer

*** END REPORT ***