
Switchable Glass Installation Instruction

安装技术指导

Before installation, please read this guide carefully and properly keep. If you have any questions, please contact with us freely. 在您安装、调试或使用本产品之前，请先仔细阅读本指南并妥善保存。如有疑问，请及时与我公司联系。

Due to the implementation of the method in this paper has been banned in is not installed correctly or incorrectly as everyone knows the installation method and does not comply with the local laws and regulations for the installation method, and the property and human body loss caused by, our company will not bear any responsibility. 由于执行了本文已禁止的不正确的安装方法或众所周知不正确的安装方法及不符合当地法律及规范的安装方法，而导致的财产及人身损失，我公司将不承担任何责任。

一、Confirm before installation 安装前的检查

1 receiving 收货:

Customers must check whether the box itself is damaged, unsealing boxes should be vertical, or leaning on the slant 5 or to 7 or above. In order to prevent the light regulating glass damage, should first open the side cover, then remove the four edge, carefully remove the switchable glass 客户在签收货品前，必须检查箱子本身是否有损坏，拆封时箱子应保持竖直，或倚靠于 5°至 7° 之斜面上。为防止对调光玻璃的损害，应该先打开上方盖，再移开四面的封边后，小心地将调光玻璃移出

Warning: connecting any wires switchable glass, can not be used for lifting, moving or fixed switchable glass, can not be forcibly pulled. 警告：连接调光玻璃的任何电线，不可用来提举、移动或固定调光玻璃，也不可用力拉扯。

2.storage:

The edge of the glass and the four horns often careless handling damage, therefore, should always be vigilant. 玻璃的边缘及四角经常由于搬运时不小心而受损，因此，应该时时提高警觉。

If the switchable glass used in the workplace or storage conditions of humidity above 80%, pay attention to sealing protection. Switchable glass must be installed in a dry environment, in order to

avoid stains. Glass storage temperature of -20 DEG to 60 DEG, the whole face of the glass temperature should be consistent, to avoid moisture condensation on the panel. Storage of switchable glass box should be kept upright, or rely on to 5 or to 7 or strong inclined to support the weight of the case. 如果调光玻璃使用的场所或贮存条件湿度在 80%以上，应随时注意密封保护。调光玻璃必须安装于干燥环境，以免产生污点。玻璃存放温度 -20℃至 60℃，整面玻璃温度应保持一致，以避免湿气凝结于面板上。存放调光玻璃的箱子应保持竖直，或倚靠于 5°至 7° 的坚固斜面上以支持箱子的重量。

3. Electrical appliance embedded check. 电器预埋检查

(1) check whether according to the requirements of field of fire and technology, embedded all switchable glass and control power source whether adopt the metal bridge, metal wire pipe or PVC pipe three way for threading. 检查是否根据现场的防火和技术要求，所有调光玻璃和控制电源的预埋线是否采取金属桥架、金属线管或 PVC 管三种方式进行穿线

(2) check whether all must be pre embedded wiring is completed, and set aside to the installation location near the control power and switchable glass. Control of the power supply to the cross-sectional area of the switchable glass embedded is not less than 1.5mm² -. 检查是否所有的预埋线须布线完毕，并预留到控制电源和调光玻璃的安装位置附近。控制电源到调光玻璃预埋线的截面积不小于 1.5mm²。

(3) power supply special check fixed location is a dry environment. If overhaul have been reserved. Whether the straight-line distance of remote control and special power of not more than 30 meters. The electric control box, whether the installation of the D type leakage protector. If used in a bathroom, should be in the switchboard alone leads to a road power line to dedicated power supply, D type 10mA leakage protector and install independent. Fuse box, switch, leakage protection device by the customer. 检查专用电源固定位置是否为干燥环境。是否已经预留检修口。是否遥控器与专用电源直线距离不超过 30 米。市电控制闸盒是否加装了 D 型漏电保护器。如果在卫浴间使用，应在配电盘内单独引出一路电源线给专用电源供电，并安装独立的 D 型 10mA 漏电保护器。闸盒、开关、漏电保护器由客户自备。

(4) the bathroom must use the AQ type power supply, manual control requires the use of wall concealed a good waterproof switch, it with any spray / leading level distance shall be greater than 2.4m. The waterproof switch user owned. The AQ type power supply does not configure the remote control, such as the use of remote control, customers need to order in advance. 卫浴间必须使用 AQ 型电源，手动控制需采用墙壁暗装优质防水开关，它与任一喷/龙头的水平距离均须大于 2.4m。该防水开关用户自备。AQ 型电源不配置遥控器，如使用遥控器，客户需提前订制。

(5) installation environment: check whether the construction site to ensure the construction space without acid or benzene gas pollution (e.g. AB glue, marble glue, glass adhesive acid, good brothers glue, paint and other easy release of acid gases items). Switchable glass construction site is clean, well ventilated. Is strictly prohibited in the above volatile gas environment installation. 安装现场环境检查：是否施工现场确保施工空间内无酸性或者苯类气体污染（例如 AB 胶、云石胶、酸性玻璃胶、哥俩好胶、涂料及其它易释放酸性气体的物品）。调光玻璃施工时现场是否保持干净，通风良好。严禁在有上述有挥发性气体的环境中安装。

二、Switchable glass installation 调光玻璃的安装：

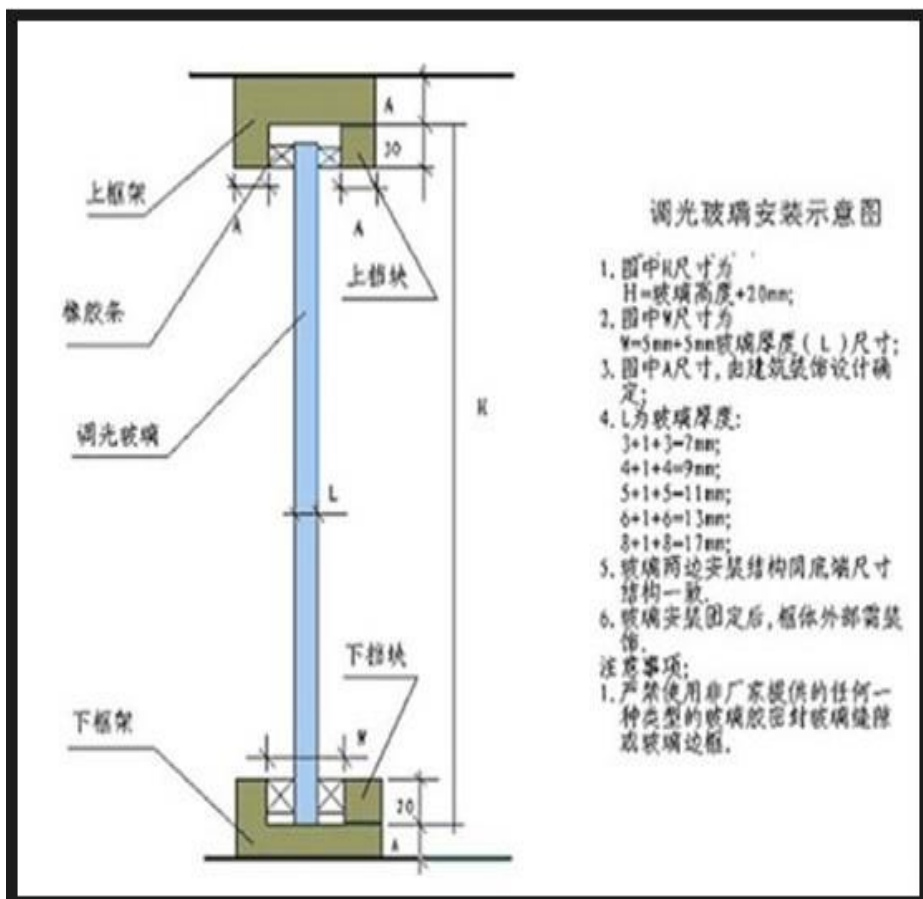
1 note installation according to the construction drawings will be switchable glass into the frame groove, so that the glass in the state of nature, leads from preformed hole penetrates through the frame groove and connected with the pre embedding, and then adjust the work, between glass gap adjustment to 3-5mm, prohibited the use of marking, extrusion way of leveling, avoid the glass part stress. 安装时注意根据施工图纸将调光玻璃装入框槽内，使玻璃处于自然状态，引线从框槽的预留孔穿出并与预埋线连接，然后进行调整工作，玻璃之间的缝隙调整到 3-5mm 内，严禁使用打标、挤压等方式校平，避免玻璃局部应力。

2. in order to prevent the material coefficient of thermal expansion and the frame slot extrusion swap stress optical glass produced, must be with the switchable glass or the protection edge contact site, use more than 2mm thickness of the rubber or other flexible materials and other hard materials away. 为防止材料热膨胀系数及框槽挤压对调光玻璃产生的应力，必须在与调光玻璃或其保护边的接触部位，使用厚度大于 2mm 的胶皮或其它柔性材料与其它硬质材料隔离开。关于玻璃垫平的处理：

Warning: Glass in place and installed, you must ensure that at least 2/5 of the glass touching the bottom of the bottom, and you must use soft items to pad level, do not use

nails, wire, stones and other hard objects were pad level, especially the corners;玻璃在放置和安装时，必须保证至少玻璃底边 2/5 接触底部，而且必须使用柔软物品进行垫平，不可使用钉子，铁丝，石块等坚硬物进行垫平，特别是角部；

2 after installation, best can is connected with the electric check and then glue fixed.安装完毕后，最好能接电检查一下再打胶固定。



Warning: During the installation process, such as found in a curved glass, not hard to straighten the glass to prevent glass delamination;

在安装过程中如发现玻璃有弯曲，不可硬性将玻璃调直，防止玻璃脱层；

3 Switchable glass glue must use offered by our special glue, glue to be played, the rubber surface and surface flat glass. Raphe glue and frame glue is two kinds of different adhesive, is the choice after many tests after. Special sealant is used to seal the raphe switchable glass edge protection edge (edge), and the special sealant is used to seal the edge of a border between and outer edge protection. These two kinds of glue should not be misused or mixed use. Similarly, the glue is not allowed and any other adhesive glue (adhesive) or (glue) mixed use. 调光玻璃中缝必须使用我司提供的专用中缝胶，打胶时要打满，胶面要和玻璃面持平。中缝胶和边框胶是两种不同的胶，是经过多

次试验后选择的。中缝专用密封胶是用于密封没有保护边的调光玻璃边沿（edge），而边框专用密封胶是用于有保护边的边沿与外框之间的密封。这两种胶不应被错用或混合使用。同样，这些胶也不允许和任何其他粘合剂（adhesive）或胶水(glue)混合使用。

Warning: must use special neutral silicon sealant gum (Toshiba 381 or 83) supplied by supplier, prohibited the use of any acidic glass glue,必须使用厂家提供特殊专用中性胶（Toshiba 381 or 83）,严禁使用任何酸性玻璃胶;

4 if the glass raphe need to buckle, should be in the raphe switchable glass glue dry (after 12 hours but) for buckling strips preloaded, i.e. intermittent in the buckle on dispensing glue points, the length of about 20mm, between the two adhesive point distance of about 50mm, will buckle buckle in the glass of the raphe, then the switchable glass electricity translucent, will buckle internal and external alignment. And then to buckle glue points (after 12 hours will be), dressing glue edge, will each side of metal buckle strip glue sealing.如果玻璃中缝需要装扣条，应该在调光玻璃中缝胶干后（12 小时后便可）进行扣条预装，即在扣条上断续点胶，胶点的长度约 20mm，两胶点之间的距离约 50mm，将扣条扣在玻璃的中缝上，然后将调光玻璃通电透亮，将扣条内外对齐。然后待扣条胶点后（12 小时便可），修整胶边，将金属扣条的两边部打胶密封即可。

5.Closing must use offered by our special frame glue finishes and glass, decorative, buckle, etc. according to the frame groove decorative style by customer. 必须使用我司提供的专用边框胶进行饰面与玻璃的收口，饰面、扣条、框槽等根据装饰风格由客户自备。

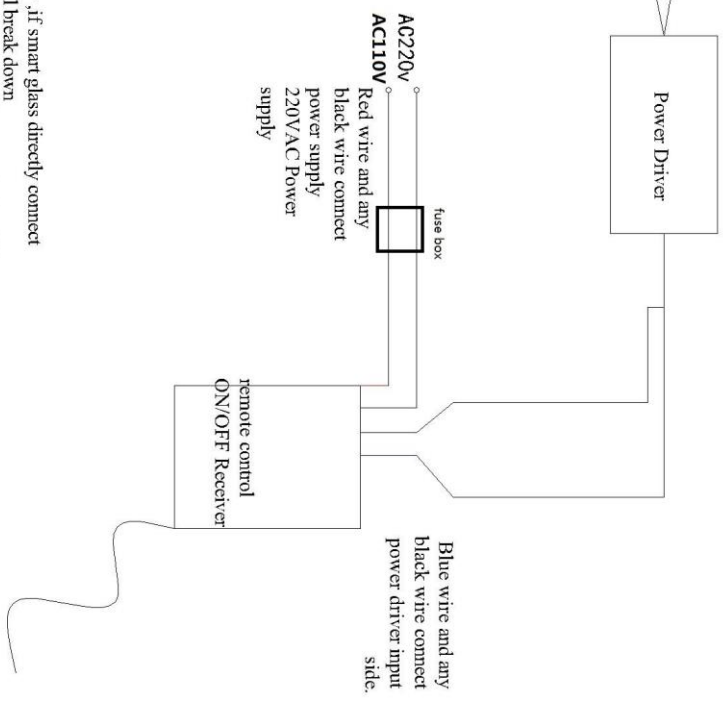
三、Installation and wiring of special power supply 专用电源的安装与接线

1.switchable glass power wire connection 调光玻璃系统接线、布线图。

Each smart glass with 4 wires on short side, two wires on right short side two wires on left short side one of two wires on the right and left short side is for ready use. There are two output wires on power driver. One wire on the right short side and one wire on the left short side connect power driver two output wire then it is ok. Two pieces of smart glass in parallel ways.



No need to distinguish the positive and negative of power driver two output wires when connect with smart glass wires.



- Attention:
1. Should need power driver .if smart glass directly connect with power supply,smart glass will break down
 2. When installation, glass facade should be smooth, should be flexible material. The glass bottom contact shall not be less than 40 square centimeters.
 3. If need use glass glue, should use the one our company offered. if use other glass glue, it will happen that glass glue react with glass,then make glass break.

Warning: Must use the power transformer supplied by supplier, if you want other type, must formal permitted by supplier;必须使用厂家专用电源，如使用其他电源，必须经厂家书面确认过的；

四、Other matters needing attention and the key tips 其他注意事项及重点提示

1 Switchable glass into the frame groove wear line, must wear metal hose or yellow wax tubes, if embedded RV wire, wiring first articulated rinse tin, if the BV line, must use the terminal. 调光玻璃入框槽穿线时，须穿金属软管或黄腊管，若预埋线是 RV 线，接线时先铰接后涮锡，若是 BV 线，须使用接线端子。

2.Special glue for of all contact with the switchable glass glue must be used provided by our company, can appear otherwise glue and other quality problems. Special glue for my company to provide the frame glue and glue into the raphe two, sealing switchable glass bare edge for raphe glue, frame glue used for switchable glass non bare edge sealing, frame glue and raphe glue cannot be mixed, but can not mix with other gum, or in other special glue glass glue. 所有与调光玻璃接触的玻璃胶必须使用我司提供的专用胶，否则会出现开胶等质量问题。我司提供的专用胶分为边框胶和中缝胶两种，中缝胶用于调光玻璃裸边密封，边框胶用于调光玻璃非裸边密封，边框胶和中缝胶不能混用，更不能与其它胶混用，或者在专用胶表面使用其它玻璃胶。

3 installation and product protection, high requirements on the site environment, install to install do devanning, installed namely adjustable, adjustable end glue. According to the installation characteristics, I propose completion of further switchable glass will be installed in the interior decoration. 安装和成品保护时，对现场环境要求高，安装时要做到拆箱即装，装完即调，调完即打胶。根据上述安装特点，我公司建议在室内装修将要完工时再安装调光玻璃。

4 Switchable glass factory on both sides with a protective film, the prohibition of tear before official use. 调光玻璃出厂前两面均贴有保护膜，在未正式使用之前禁止撕掉。

5 Switchable glass belonging to the fragile products, in the handling, installation process, to prevent the emergence of edge collapse, broken angle, breakage problem. 调光玻璃属于易碎产品，在搬运、安装过程中，要防止崩边、碎角、破损等问题出现。

6 Switchable glass cleaning, prohibit the flush water directly, pouring washing, or long time immersion (such as the use of high-pressure water gun, water pipe and a water basin etc.). Can first use of cotton soaked fabric wring dry, wipe the glass surface, and then dry cotton fabric will glass and the frame of water to dry them. 6. 调光玻璃清洗时，禁止用水直接冲洗、浇洗、或长时间浸

泡（如使用高压水枪、水管及水盆等）。可先用浸湿后的棉质织物拧干后，擦拭玻璃表面，再用干燥的棉质织物将玻璃与边框上的水擦干即可。

7 Switchable glass after installation to special rubber check seam is played, to prevent leakage. 调光玻璃安装后要检查中缝处的专用胶是打满，以防漏电。

8 do not use switchable glass in please UV irradiation environment long time. 请勿在请紫外光照射的环境下长时间使用调光玻璃。

9. Switchable glass is not installed, shall not be stored for a long time at the construction site, should be timely storage preservation. 未安装的调光玻璃，不得长时间存放在施工现场，应及时入库保存。

10 switchable glass formal power connection before use, must first be school electricity, by my company personnel after confirmation can be switched on and powered, without our staff signature confirmation, without closing and electrifying, appear all my company will not be responsible. 调光玻璃正式接电使用前，必须先进行校电，经我公司人员确认无误后可合闸通电，如未经我司人员签字确认，擅自合闸通电，出现一切问题我公司概不负责。

11 without our written permission, customers are not allowed to change switchable glass configuration, our company all the problems, otherwise there will not be responsible for. 未经我公司书面许可，客户不得私自更改调光玻璃配置，否则出现的一切问题我公司概不负责。

Thanks !

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