

WARNINGS AND SAFETY CONSIDERATIONS

- To be installed and/or used in accordance with all appropriate national and local electrical codes and regulations
- All wiring must be accomplished by a trained, professional installer. Any power connections or wiring to the window covering should be accomplished by a licensed electrical contractor
- **CAUTION:** Read all instructions before installing. If you are unsure of any part, stop and contact a qualified installer.
- This product is a low voltage product. **DO NOT CONNECT TO HIGH VOLTAGE POWER/AC MAIN VOLTAGE (i.e. 115VAC or 220VAC) AND/OR ALLOW SUCH VOLTAGE TO TOUCH ANY CONNECTION POINT ON THIS PRODUCT.**
- Improper wiring can result in personal injury.
- This product must be operated in accordance with the proper operating voltage and current limits as indicated in the Specification section of this document.
- This product is intended for indoor use only. Do not install this product outdoors or allow exposure to rain and/or moisture.
- When servicing this product ensure that power is removed prior to connecting any diagnostic tools or servicing the internal electronics.
- Improper use or installation of this product can result in damage to the product and/or other property.
- Disassembly or misuse of the product in any way by unauthorized personnel will void any and all warranties.
- When crimping the modular cable or CAT5/6 cable care must be taken to follow crimping instructions to ensure a reliable connection. Pre-crimped modular telephone cables will not work!
- Low voltage cables should not be routed near power lines and/or other electrical devices that will expose the system to excessive electrical noise.
- Low voltage wire runs should not exceed 400' overall in general.

FOR FURTHER INFORMATION

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INSTALLATION PROCEDURE:

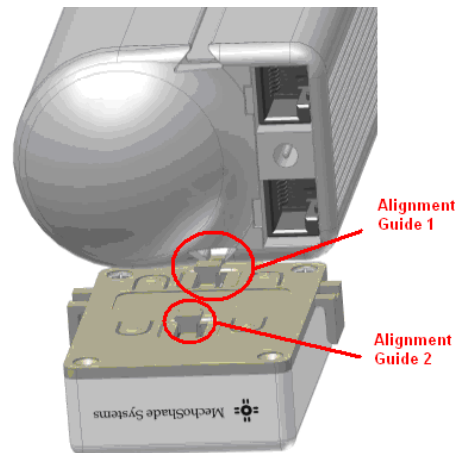
The Control4 (C4) 2-Zone Wireless Interface Module is designed to support the control of both drapery and rollershade products. Please find the instructions corresponding to the models to be controlled.

WhisperTrac Draperies

1. Install the WhisperTrac Drapery per the manufacturer's instructions. Configure and setup the WhisperTrac motor including the limits, speed of operation and any intermediate setpoints using standard WhisperTrac tools. Test and confirm that it operates properly. Refer to *WhisperTrac Manual for proper procedures.*
2. Disconnect power to the WhisperTrac Motor.
3. Attach an RJ45 patch cord cable (dongle) from any one of the two ports on the bottom of the WhisperTrac Motor to Port A on the Wireless Interface Module. **NOTE: PORT A INCLUDES THE POWER CONNECTION FOR THE MODULE AND MUST ALWAYS HAVE A CONNECTION SUPPLIED TO IT WITH 9-30VDC FOR OPERATION.**
4. If a second window covering will be controlled through this same Wireless Interface Module please repeat steps 1 to 3 for that window covering and connect the RJ45 dongle to Port B on the Interface Module

If the installer and the programmer for this Module is one in the same, then we recommend proceeding with the commissioning of the Module before proceeding any further because of the convenience afforded by access to the Module prior to mounting. Otherwise proceed to Step 5.

5. If the Wireless Interface Module is attaching to the motor then slide the Module into the slot on the window side of the WhisperTrac Motor with the connectors pointing towards the ceiling. Permit the bracket to extend approximately 1" below the WhisperTrac Motor in order to optimize reception for the antenna.



6. If required to prevent the Wireless Interface Module from sliding off the WhisperTrac Motor then secure the module to the Motor housing by tightening the screw on the mounting flange nearest the Module's connectors. **DO NOT OVERTIGHTEN**



7. **Route and secure the patch cords such that there is no interference between the cords and the operation of the drapery.**
8. Re-connect the power supply cord to the WhisperTrac Motor and any other second window covering.
9. Test operation of the drapery using the pushbutton on the front of the Wireless Interface Module. A momentary button press on the pushbutton will toggle the position of both window coverings attached to the Interface Module. If a window covering is already in motion a button press will cause the window covering to stop. If no movement is observed then try pushing the button a second time momentarily in order to toggle the direction command of the Interface Module so that it is synchronized with the drapery position.
10. The WhisperTrak Motor and drapery is now ready for operation. Once the Module is commissioned it will be capable of being operated over the Control4 Network.

Wall Mount for Rollershades and Drapery Applications

For Mounting to drywall please follow steps 1 thru 5 above and then using a pair of cutters remove the Alignment Guides on the back of the unit. Install per the drawing below. Finally follow steps 9 and 10 to test the operation of the window covering by the Interface Module and ultimately through the Control4 Network.



PRODUCT SPECIFICATIONS

ELECTRICAL

Power Input 9-30VDC, 250mW Max
Control Input 30VDC, 10mA Max per contact
 50ft Max Wiring Distance

Radio Frequency

FCC Part 15, Class B Compliant
Industry Canada Compliant
2.4GHz Spread Spectrum
IEEE 802.15.4 Version 1:0x02

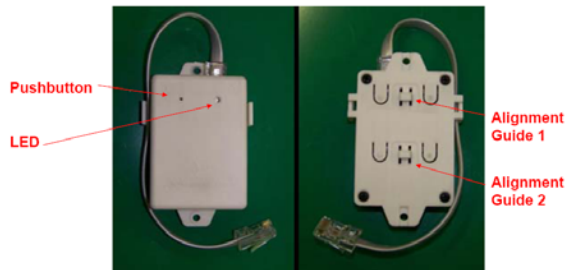
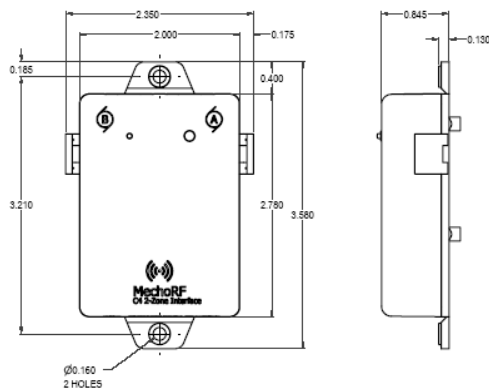
MECHANICAL

Size (LxWxD) 3.58 (1.41 cm) x2.35" (0.93 cm) x 0.85" (0.33 cm)
Weight 0.5 lbs (1.1 kg)

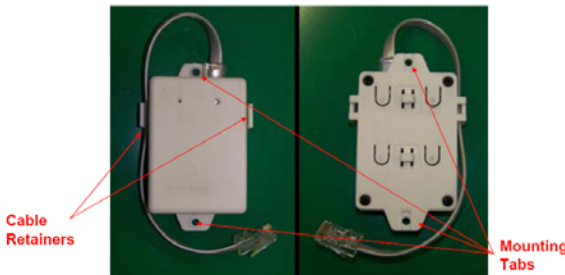
ENVIRONMENTAL

Temperature 0 to 55° Celsius
Humidity 20 to 90%, non-condensing

MOUNTING AND FEATURES



FRONT BACK

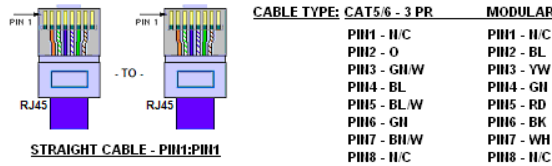


FRONT BACK

WIRING DIAGRAMS

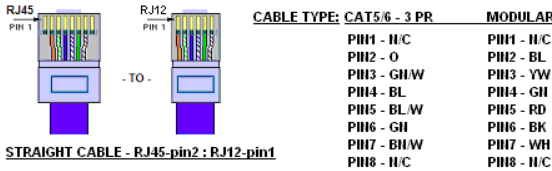
The C4 2-Zone Wireless Interface Module will recognize automatically what is connected to it based on the wiring below.

WhisperTrac Drapery / IQ Motor ElectroShade Dongle



Draperies – 20 ft. Maximum Distance
ElectroShades – 400 ft. Maximum Distance

IQ/MLC / IQ485 ElectroShade Dongle



400 ft. Maximum Distance.

AGENCY COMPLIANCE

It is the intent of MechoShade Systems Inc. to comply with the following standards as well as those not specifically listed within this document.

FCC ID: WDFZ1C4
 IC: 7662A-Z1C4

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications to this product or its use not expressly approved by MechoShade Systems, Inc. may void the user's authority to operate this product.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules and to Industry Canada requirements. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARRANTY

5-Year Limited Warranty on Motors and Electronics - to be free of manufacturing defects in factory materials or workmanship for 5 years from date of shipment.



MechoRF™ Installation Guide
Control4™ (C4) 2-Zone Wireless Interface Module - Universal

Models: Z1C4 WIU WH AS Universal Interface, Internal Antenna
 Z1C4 WIEU WH AS Universal Interface, External Antenna

Indoor Use ONLY

TO BE INSTALLED AND/OR USED IN ACCORDANCE WITH APPROPRIATE NATIONAL AND LOCAL ELECTRICAL CODES AND REGULATIONS

PRODUCT FEATURES

- Seamless Operation – MechoShade motorized window covering solutions operate directly on the Control4 system – (Composer v1.6 or later)
- No Wires – Spread spectrum wireless mesh radio communications eliminates wiring from window covering to the Control4 System
- Robust - Self-healing, spread spectrum radio frequency mesh network (Zigbee™) provides unprecedented dependability and reliability
- Controls two (2) window coverings from a single Wireless Interface Module including any combination of WhisperTrac draperies or IQ Motor™ / IQ/MLC® / IQ485™- controlled ElectroShades®.
- Provides open/close or up/down control of the window covering plus operation to any available presets/intermediate Setpoints
- No External Power Supply! - Wireless Interface Module can be powered by the window covering to which it is connected
- Great for retrofit and renovation applications in commercial and residential projects

* MechoRF, IQ485, IQ/MLC are trademarks of MechoShade Systems, Inc. Control4 is a trademark of Control4, Inc. ILT is a trademark of Somfy, LTD. Zigbee is a trademark of the Zigbee Alliance