

## **MechoShade ZigBee shade interface Z1C4 Operation Description**

This device is designed to provide a wireless bridge interface between low-voltage wired-control window covering systems and the Control4® home automation network and should be installed according to the instructions in the User Manual installation guide. From that point the operation is automatic with no user intervention.

The wireless bridging is accomplished via a 15-channel 2.4 GHz radio with O-QPSK modulation according to the IEEE 802.15.4 standard. ZigBee network protocol operates over this network of radios to provide an architecture for sending application-level messages among the nodes in an automation network.

From time to time based on settings and events in the automation network, a message is transmitted to the ZigBee shade interface commanding it to bridge a movement command to the attached window covering controller. The device may also perform ZigBee network functions including relaying radio messages to other nodes on the wireless network, as required by and depending on radio conditions at the installation site.