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| Aluminum wiring and devices | Page | 1 of 1 |

When changing receptacles, switches, dimmers, ceiling fans, light fixtures, etc. and the wiring is **ALUMINUM**, all devices shall be compatible.

In New Brunswick, the device is required by law to be marked **CU/AL** (Copper/Aluminum). Therefore, if it is not CU/AL it can only be used with copper conductors.

To replace a device on aluminum wire that is not marked CU/AL creates a **VERY REAL FIRE HAZARD**. Oxidization between copper and aluminum, as well the expansion of aluminum being greater than copper, leaves the conductor joints loose (cold joint).

If replacing a device on aluminum wire that is marked copper only (CU), it is most important that copper leads are installed on the device and joined to the aluminum conductors with wire nuts, which are approved for use on copper and aluminum (CU/AL).

If you have any questions or concerns about the above fire hazard, please contact your Provincial Electrical Inspector.

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