

BL+30-3-C1X-R-P-5298-in response to your e-mail we offer the following.

The BL+30-3-C1X-R-P-5298 although a standard Behlman commercial unit was built with the knowledge it would be used on an aircraft. Similar units have been used on aircraft with little to no problems. The unit was ruggedly built with all parts secured and RTV applied where necessary. The wire used are irradiated pvc and have been used for many years with no problems. **In addition the unit is to be mounted in a shock mounted cabinet aboard the aircraft.**

With the above in mind we can offer the following information for the BL+30-3-C1X-R-P-5298:

ENVIRONMENT SPECIFICATIONS:

Design to meet the conditions as defined in Mil-Std-810, Method 520.2

Operating Temperature: -20 to 50° C.

Storage Temperature: -40 to 60° C.

Shock **Based on unit being mounted in a shock mount cabinet suited for the application there should be no issues.**

Vibration: **Based on unit being mounted in a shock mount cabinet suited for the application there should be no issues.**

Humidity: 0-95% RH non-condensing.

Altitude: Design to operate at altitudes of 10,000 feet. Can be exposed to 40,000 feet in a non-operating state, and operate normal when returned to 10,000 feet or less.

Fungus: Designed not to afford fungus nutrition.

ELECTROMAGNETIC INTERFERENCE:

The cabinet the BL is mounted in should be closed on all sides to eliminate radiated emissions. In addition shielded cable or output filters or both should be added to meet the requirements of MIL-STD-461E

NOTE: Special Filter (similar to Behlman P?N 101-384-000) may be needed on the output of the unit as was used on the Behlman BL7000C-5056 used on the RC-135 aircraft.