

Impact LED Signs Ventilation Requirements, Rev 2-1-2021

Electronic Message Centers (EMCs) require ventilation. As Illustrated, Impact EMCs draw fresh/cool air in through vents at the bottom of the cabinet's rear side and use cooling fans located inside the top of the cabinet to draw cool air up & out of vents located at the top. Improper ventilation will result in the EMC overheating. Impact's EMCs will shut themselves off when they overheat & will restart after cooling. However, overheating will cause damage, thus ventilation should be carefully considered.

When installing an IMPACT EMC allow a minimum of 25 square inches of total air intake and 25 square inches of exhaust per foot of cabinet length. Ideal ventilation: 2" gap at top and bottom.

Alternative Acceptable Ventilation Options:

- A) If no ventilation is available at top: Provide 2" gap at bottom, use perforated material with no less than 40% open area to conceal sides. Air baffles may be required to separate exhaust from intake.
- B) If no ventilation is available at top and bottom: Do not cover sides, air baffles may be required to separate exhaust from intake.

