Tjernlund’s Model FFP-1, Fire and Freeze Protection Limit helps protect the boiler room from temperature extremes. It is used with Tjernlund Series Commercial Combustion Air Systems. The FFP-1 is designed to disrupt power to a combustion air supply blower in the event of a boiler room fire or an extended period where frigid outdoor air supply could cause pipes to freeze.

⚠️ WARNING

Do not wire an FFP-1 into a flue gas exhaust system or interruption of the exhaust system may occur if boiler room temperature falls below Freeze Limit temperature setting.

SPECIFICATIONS
The Model FFP-1 is comprised of two UL Recognized Limit Switches factory wired and mounted within a metal enclosure/electrical box.

- **Low Temperature Limit:** Normally closed switch opens on temperature fall at 42°F ± 5°F; automatic reset.
- **High Temperature Limit:** Normally closed switch opens on temperature rise at 165°F ± 5°F; manual reset.
- **Electrical Circuit Rating:** 14 amps max. @ 120VAC; 10 amps max. @ 230 VAC and 460 VAC.
- **Metal Enclosure:** Two knockouts facilitate electrical installation and connections to either ½" or ¾" conduit.
- **Dimensions:** 2 ½" H x 5" W x 2" D

PHYSICAL INSTALLATION
Always mount the Tjernlund Model FFP-1 on a flat, non-flammable vertical surface (wall or panel) using the mounting hardware provided. For best results locate FFP-1 where it can monitor an average ambient room air temperature.

ELECTRICAL INSTALLATION
When used as a component part of a Tjernlund Auto-Draft® Commercial Combustion Air System follow applicable electrical schematic found in system wiring schematics. For other combustion air installations, wire Limits in "series" with power supply of combustion air blower motor. **Important:** Amperage draw through switches must not exceed electrical ratings shown above.