MODEL FFP-1 FIRE & FREEZE PROTECTION LIMIT

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 interuption 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.

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