Spring Air
Engineering Energy Savings

Hood Controller

For Commercial Kitchen Exhaust and Supply

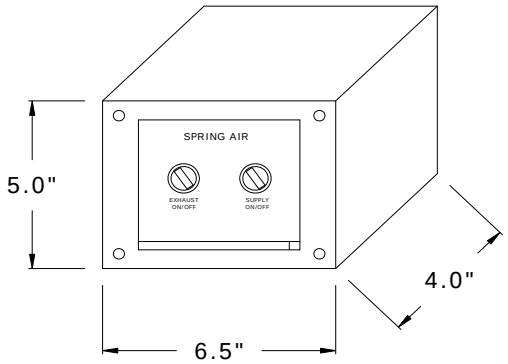
RPD-P1.5

General

The RPD-P1.5 controller is used in conjunction with a Spring Air System commercial kitchen exhaust hood. The controller can be wall mounted or mounted on the front of the hood.

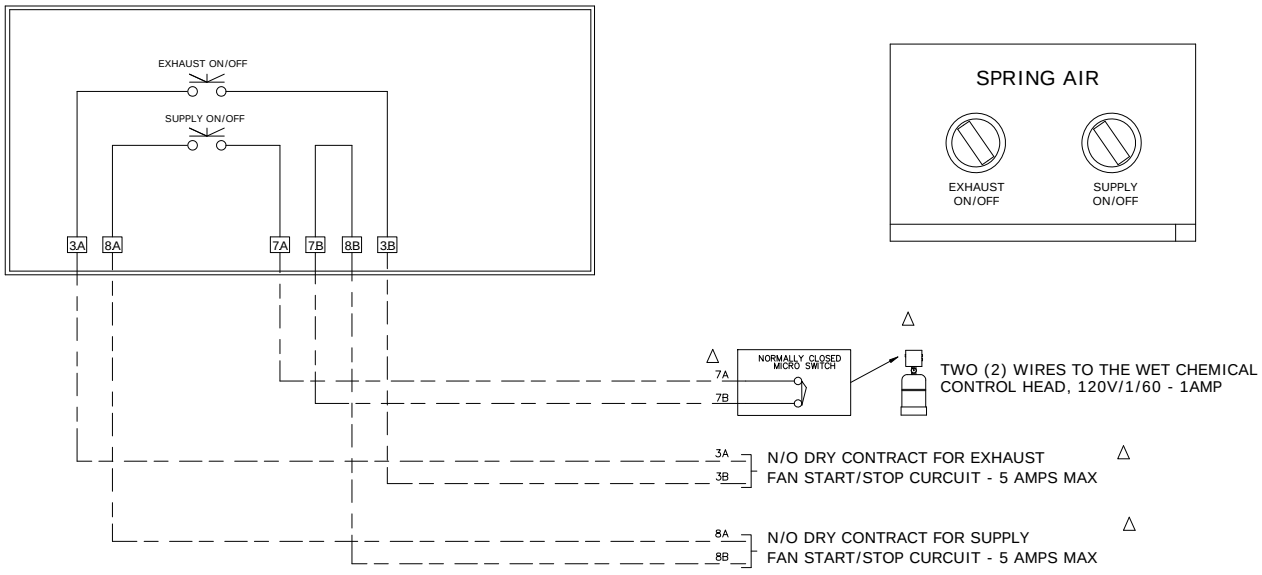
The RPD-P1.5 wall mounted panel is CSA certified, UL listed, and housed in a stainless steel enclosure with a No.4-finish. The controller includes a fan on/off switch and a supply on/off switch.

The panel can also be interlocked the surface fire suppression.

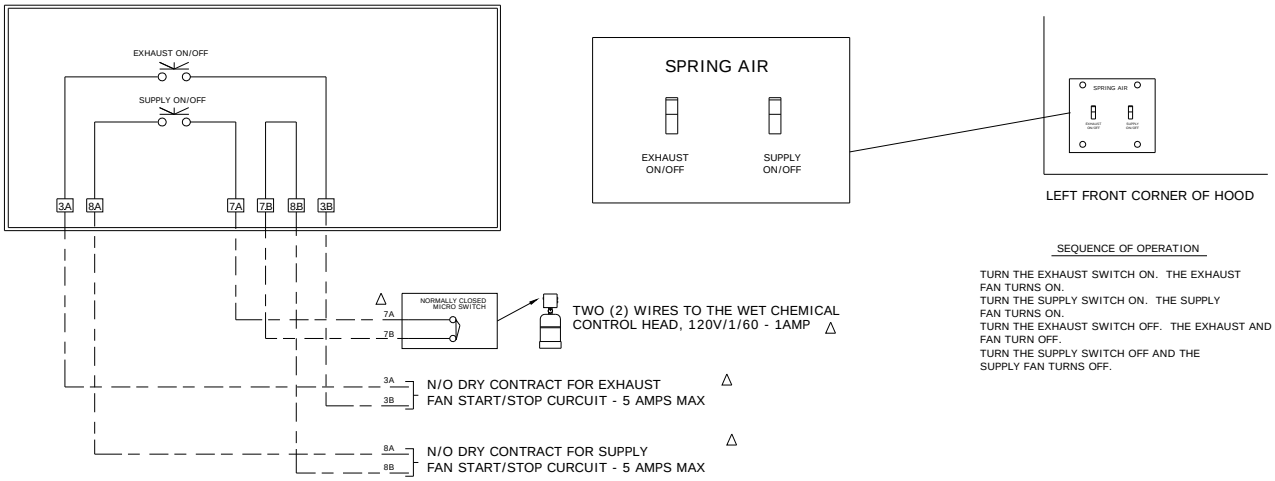


WALL MOUNTED RPD-P1.5

Wall Mounted RPD-P1.5 Electrical Schematic



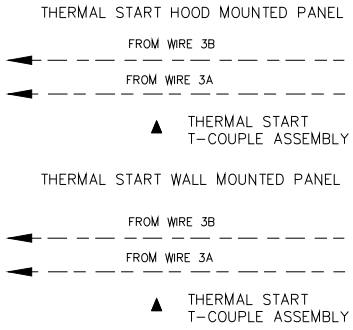
Hood mounted Electrical Wiring Schematic

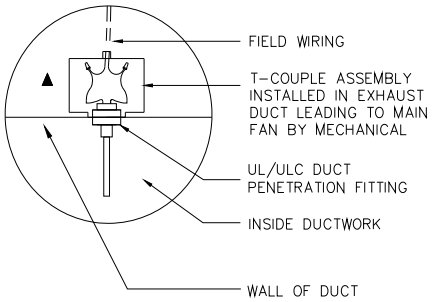


The RPD-P1.5 hood mounted panel is CSA certified, UL listed, and housed in a J-box. The controller includes an exhaust and supply fan on/off switches. The exhaust and supply switches are wired is to a J-box mounted on the roof of the hood. The RPD-P1.5 panel can also be interlocked to the surface fire suppression.

Thermal Start Option

In some jurisdiction a thermal-start is a requirement of the International Mechanical Code. Should the duct temperature rise to indicate that there is cooking under the hood then the exhaust fan must turn on automatically. The Spring Air Systems thermal start uses a T-couple assembly mounted in the hood exhaust duct collar with a UL/ULC duct penetration fitting. When the hoods are supplied by Spring Air Systems the T-Couple is factory installed. When the hoods are by others the T-Couple are shipped loose for installation by others. The T-Couple temperature setting is adjustable and factory set to 100F (38C)





Specification

Spring Air Systems commercial kitchen exhaust controller model RPD-P1.5 for hood or wall mounting. The control is complete with exhaust fan on/off and supply fan on/off switches. The RPD-P1.5 can be interlocked fan and the fire suppression system.

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