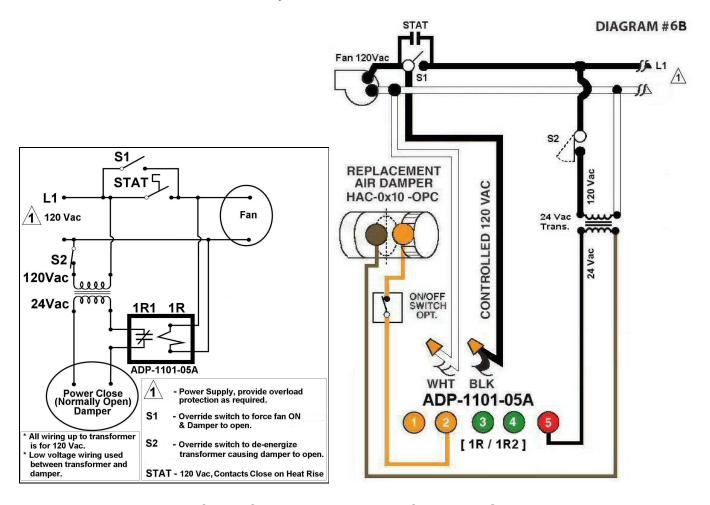
HMI Hoyme Manufacturing Inc. Special Note: Circuits are colored for clarification only and are not necessarily those found in actual installations.



**Diagram #6B: Economizer** Circuit System to **Ventilate a Computer Server Room** using a cooling thermostat, an exhaust fan, overriding switches, an interface relay adaptor, a 24Vac transformer and a motorized 24Vac power close damper.

- 1. Thermostat, 120Vac contact on temperature rise;
- 2. Ventilation Fan:
- 3. Overriding Switches, 120Vac;
- 4. Interface Relay Adaptor (ADP-1101-05A);
- 5. 24Vac Transformer
- 6. Fail-safe-open 24Vac Motorized Air Control Damper Power Close (HAC-0x10-OPC where x= dia. of damper).

## **OPERATION:**

- **1.** Cooling Stat on temperature rise will turn on Ventilation Fan and open Fresh Air Inlet Damper.
- 2. Manual inline overriding switch will turn on Ventilation Fan and open Fresh Air inlet Damper.
- **3.** Secondary overriding switch to transformer will open Damper only.
- 4. Damper will Fail-Safe-Open in the event of power failure.

Check our web, damper type 'HCR', for our **Commercial Rooftop Economizer Damper**.

Additional Colored Wiring diagrams are shown on the web at www.hoyme.com

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