

The diagram illustrates a horizontal HVAC duct system. A main horizontal duct is shown with two vertical return ducts. The left return duct is labeled 'RETURN DUCT' and has a 'ZONE PANEL (WALL MOUNT)' at its top. The right return duct is labeled 'ZONE PANEL (DUCT MOUNT)'. A 'BYPASS DAMPER' is located on the top of the main duct. A 'DATS (ALTERNATE LOCATION)' is shown on the side of the main duct. A 'DATS' is also shown on the bottom of the main duct. A 'SUPPLY' duct is shown on the right, with a 'DATS' on its side. The diagram is labeled 'Fig. 6. Typical horizontal HVAC system.'

Diagram illustrating the installation of a TruZone panel. The panel is connected to a FURNACE OR AIR CONDITIONER. It features a BYPASS DAMPER and ZONE DAMPERS (ZD SERIES). The panel is connected to a SUPPLY DUCT and a RETURN DUCT. The RETURN DUCT has a TRUZONE PANEL MOUNTED ON IT. The panel is also connected to a TRUZONE PANEL MOUNTED ON WALL. Labels indicate the DATA LOCATION and that DATA should be at least 3 FT FROM PLENUM.

Thermostats

Transformer

Variable Speed Fan

Fig. 7. Wiring variable speed fan to TrueZONE panel.

If using a Honeywell TrueZONE panel, the panel's DS/BK terminal is intended for use with a variable-speed fan. When one zone is calling (or less than 25% of capacity on systems with more than 4 zones), this terminal will be de-energized of 24 VAC. This reduces blower speed on most variable speed blowers.

Honeywell Zoning System Design Manual

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