

MULTI-SPLIT FAN CONTROL

ABSTRACT

A compressor discharge pressure control for a unitary outdoor fan, multi-split air condition system (100) having multiple compressors (120A, 120B), multiple evaporator coils (110), multiple condenser coils and a single outdoor fan (140). Pressure comparison circuitry compares the discharge pressures of the compressors (120A, 120B) to predetermined pressure levels to generate a plurality of pressure state signals. On/off monitoring circuitry monitors the on/off states of the compressors (120A, 120B) to generate a plurality of compressor state signals. Control circuitry (200) controls the fan in accordance with both sets of signals under a predetermined priority scheme.

Fig. 1.