



## Split RTU Power Systems - For Buildings with Emergency Generators

### Part Numbers

ITEM	PART #	NOTES
Split RTU Power - 240V, 30 amp switch	DISC-ST240-30 INSTALL	Disconnect on supply fan/24V power only
Split RTU Power - 240V, 30 amp fused	DISC-FT240-30 INSTALL	Disconnect on supply fan/24V power only
Split RTU Power - 460 V, 30 amp switch	DISC-ST600-30 INSTALL	Disconnect on supply fan/24V power only
Split RTU Power - 460 V, 30 amp fused	DISC-FT600-30 INSTALL	Disconnect on supply fan/24V power only
Split RTU Power - 240V, 60 amp switch	DISC-ST240-60 INSTALL	Disconnect on supply fan/24V power only
Split RTU Power - 240V, 60 amp fused	DISC-FT240-60 INSTALL	Disconnect on supply fan/24V power only
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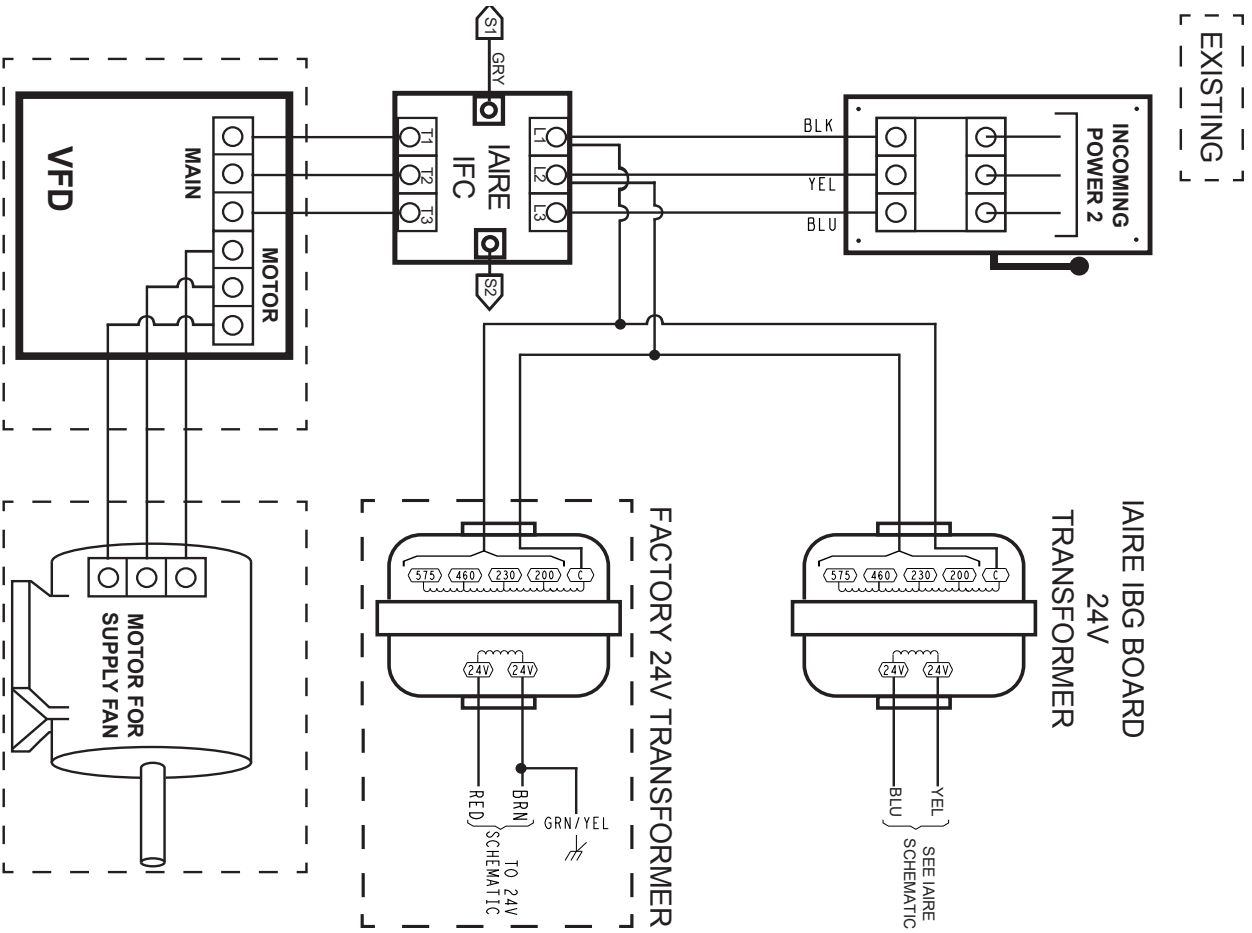
### Description

Split power is common in situations where a building has an emergency back up generator. In many cases, the back up generator does not have the capacity to power all the cooling and heating of the HVAC unit. In these cases, the HVAC units' power is split into 2 parts. The first part is the power for the fan and the 24 V control power. This is the portion that is powered with and without the generator. In these cases, outside air but no cooling can be provided by the backup generator. The compressor power is the 2nd set of power. This is not powered by the backup generator.

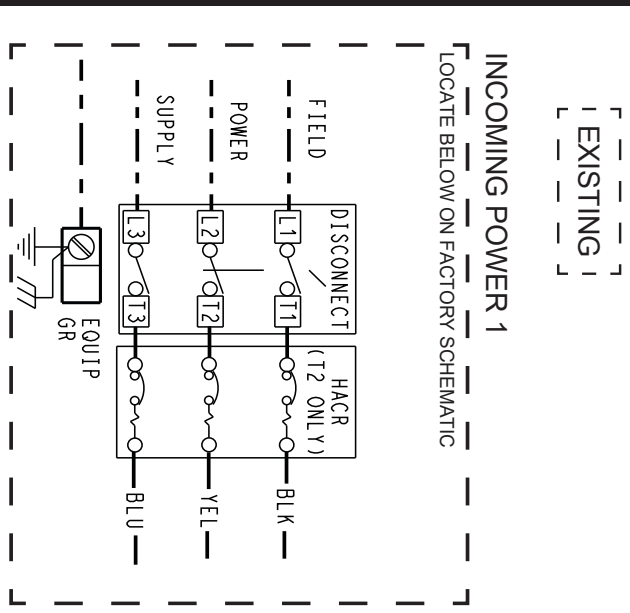
iAIRE takes a customer provided unit and breaks the wiring apart and installs the disconnect with this wiring for the 24V and fan power as a part of this modification. The customer will still need to provide a 2nd disconnect (or buy a 2nd disconnect from iAIRE) if they would like the 2nd disconnect provided.

# Wiring Diagram

## Indoor Fan & 24 VAC



## All High Voltage except Indoor Fan



- \*\*\*NOTE 1: REMOVE HIGH VOLTAGE LINES OF FACTORY TRANSFORMER FROM COMPRESSOR CONTACTOR "1" & "13" AND PLACE ON IAIRE INSTALLED INDOOR FAN CONTACTOR "T1" & "T2"
- \*\*\*NOTE 2: REMOVE GREY WIRE FROM FACTORY IFC AND PLACE ON IAIRE IFC ON "S1" & CONNECT "S2" ON IAIRE IFC TO COMMON SIDE OF FACTORY IFC
- \*\*\*NOTE 3: INCOMING POWER 1 DISCONNECT NOT INCLUDED