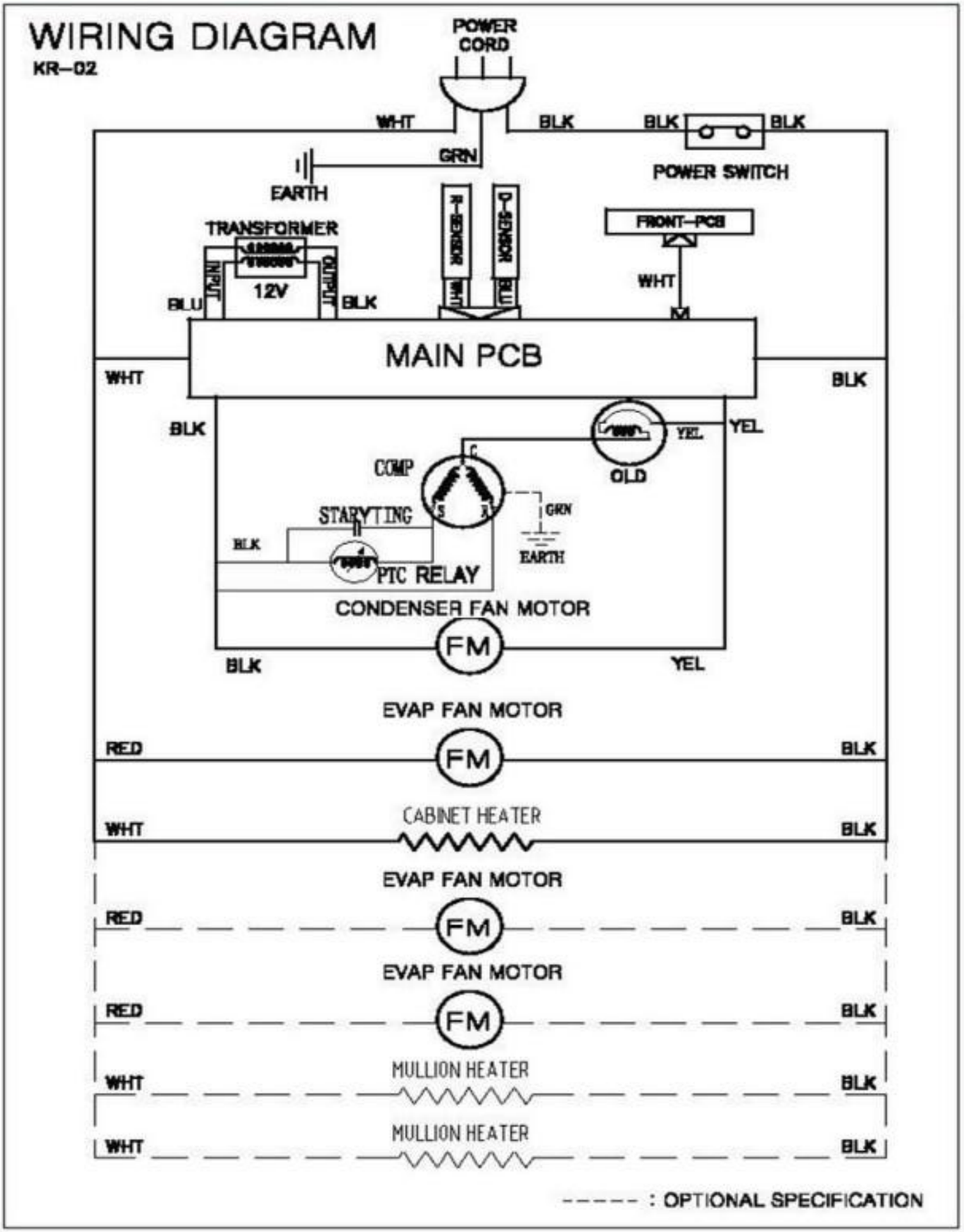2. WIRING DIAGRAMS