ABB non-Ethernet setup

Drive parameters

**1001** (Ext1 Commands) = Start/StopDigital Input

**1102** (EXT1/EXT2 Sel) = Ext1

**1103** (REF1 Select) = Analog In (Speed reference)

**1104** (REF1 Min) = Minimum Hertz for motor (0 usually)

**1105** (REF! Max) = Maximum Hertz for motor (50 or 60 usually)

**1201** (Const Speed Sel) = NOT SEL

**1301** (Minimum AI1) = 20% (signifies 4mA is the low input)

**1401** (Relay Outlut 1) = Run (tells PLC that motor is running)

**1601** (Run Enable) = Run Enable Digital Input (CRM 1 controlled input)

**1604** (Fault Reset Sel) = CRM 1 controlled Digital Input (same as 1601)

**2003** (Max Current) = DO NOT CHANGE (calculated in VFD)

**2101** (Start Function) = Auto

**2102** (Stop Funtion) = Ramp

**2201** (Acc/Dec 1/2 Sel) = NOT SEL

**2202** (Acceler Time 1) = Set to preferred length

**2203** (Deceler Time 1) = Set to preferred length/not over amping motor

**3003/3004** (External Fault 1/2) = External Fault Digital Input Inverse (if needed)

**3005** (Mot Therm Prot) = Not Sel (turn off, calculated value that may cause issues)

**9905** (Motor Nom Volt) = Nameplate Voltage

**9906** (Motor Nom Curr) = Nameplate Amps

**9907** (Motor Nom Freq) = Nameplate Hertz

**9908** (Motor Nom Speed) = Nameplate RPM

**9909** (Motor Nom Power) = Nameplate Horsepower

**Note 1:** Other parameters might need to be changed/looked at, every machine is unique

**Note 2:** If you have STO or a digital input that starts with +24 VDC off the drive (wire in slot 9 on ACS-355 drives), you need the 101 to be jumpered to slot 10 (internal VFD ground) also, otherwise the STO/digital input might not work consistently or at all

Revision History