

# MECH-LINE SERVICES L.L.C.

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## MANUFACTURER'S REPRESENTATIVE

**ABB DRIVES**

740 East Flynn Lane  
Phoenix, AZ 85015  
(602) 263-1271 Telephone  
(602) 279-9216 Fax

### Serial Communication BACnet Instance ID Settings

#### Example is listed below

This parameter, together with parameter 5317, EFB PAR 17, sets BACnet instance IDs:

- For the range 1 to 65,535: This parameter sets the ID directly (5317 must be 0). For example, the following values set the ID to 49134: 5311 = 49134 and 5317 = 0.
- For IDs > 65,335: The ID equals 5311's value plus 10,000 times 5317's value. For example, the following values set the ID to 71234: 5311 = 1234 and 5317 = 7.

### Serial Communication Test Tips Port Hardware Values

164 Ohms should be read at terminals B+ and A- when no power is applied and Bus Termination Resistor is closed. (139 Ohms on RBCU Bypass Board) This is the total of the Bus Termination Resistor and the two port resistors in the same circuit. If anything lower is read there is damage to the port.

572 Ohms should be read at terminals B+ and AGND. (Drive Only)

Bus Termination Resistor = 120 Ohms (Drive Only Resistor to Ground Both Sides)

Left Port Resistor = 22 Ohms (Bypass Only Old Version E-Clipse) 10 Ohms New Version

Right Port Resistor = 22 Ohms (Bypass Only Old Version E-Clipse) 10 Ohms New Version (44 Ohms Total Across Both Bypass Only Old Version E-Clipse) 20 Ohms New Version

**REMEMBER STATIC.....NO POWER APPLIED**

***Thank You for choosing MECH-LINE SERVICES***