

Hitachi America, Ltd.

ENGINEERING NOTE

SUBJECT: CAUTIONS!! ANALOG INPUT FUNCTION**AFFECTED MODELS: ALL SJ300 AND L300P**

If the value of parameter **A001** (Frequency Source Selection) is set to “**01**” (terminal)

- AND -

the AT function (data=16) is **NOT** assigned to any of the intelligent input terminals, the function of the “**O2**” analog input terminal will be as described in the table below:

| Value of Parameter A006 (O2 Selection) | Action of Analog Inputs |
|---|---|
| 00 (Independent) | Only the signal at the O2 terminal will reflected. Terminals O and OI will be disabled. When the signal at O2 becomes negative, the speed reference becomes negative, resulting in REVERSE direction of rotation. The action is the same when the multispeed terminal(s) and/or the jog terminals are ON. |
| 01 (Only Positive) | The speed reference will be the SUM of O+OI+O2. When the sum is negative, speed will be ZERO. |
| 02 (Both Positive and Negative) | The speed reference will be the SUM of O+OI+O2. When the sum is negative, the speed reference becomes negative, resulting in REVERSE direction of rotation. The action is the same when the multispeed terminal(s) and/or the jog terminals are ON |

Summary: In the case where the AT function is not assigned to any input terminal, and REVERSE rotation is not desired or unsafe, make sure that A006 is set to a value of “01”.