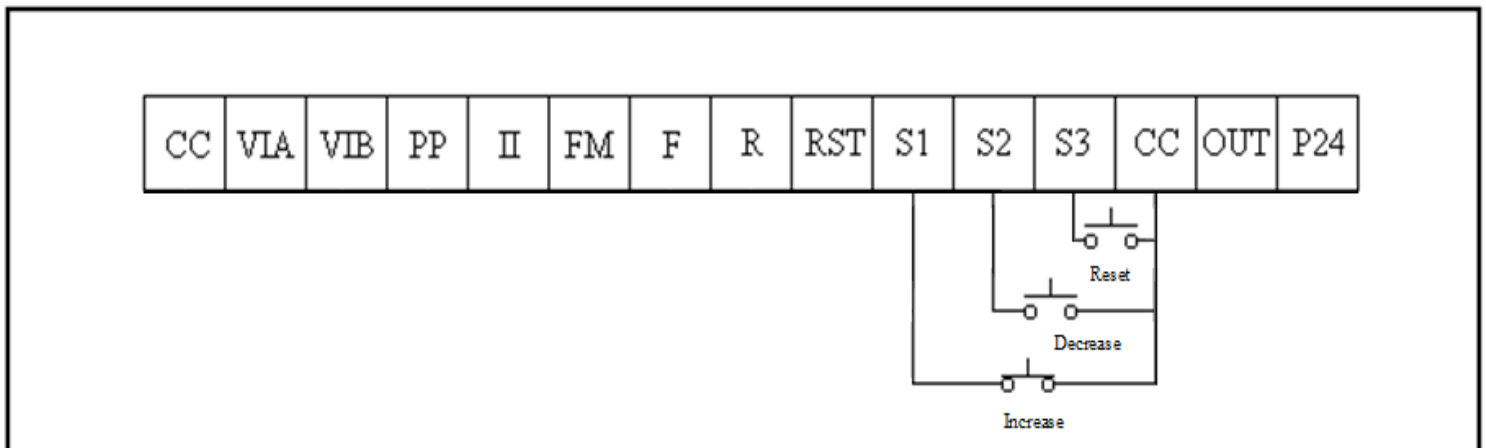


## **S11 APPLICATION GUIDELINE 2.1** ***Motor Operated Pot (MOP)***

### **Introduction**

Frequently used for pendant stations on cranes, MOP control generates a speed reference for the S11 based on how long a momentary contact is made. When the increase contact is made, the drive increases its output frequency until the contact is released, at which point it maintains the current frequency. When the decrease contact is made, the drive decreases its output frequency until the contact is released, at which point it maintains the current frequency. A closure of the momentary reset contact ramps the drive down to the set lower limit.

### **Connections**



### **Programming**

Parameter	Description	Default	New Value
<i>F70d</i>	Frequency setting mode selection 1	<i>0</i>	<i>5</i>
<i>F264</i>	Input from external contacts – UP response time	<i>0.1</i>	*
<i>F265</i>	Input from external contacts – UP frequency step width	<i>0.1</i>	*
<i>F266</i>	Input from external contacts – DOWN response time	<i>0.1</i>	*
<i>F267</i>	Input from external contacts – DOWN frequency step width	<i>0.1</i>	*
<i>F268</i>	Initial value of UP/DOWN frequency	<i>0.0</i>	*
<i>F269</i>	Saving of changed value of UP/DOWN frequency	<i>1</i>	*
<i>F114</i>	Input terminal selection 4 (S1)	<i>6 (SS1)</i>	<i>41 (UP)</i>
<i>F115</i>	Input terminal selection 5 (S2)	<i>7 (SS2)</i>	<i>42 (DOWN)</i>
<i>F116</i>	Input terminal selection 6 (S3)	<i>8 (SS3)</i>	<i>43 (CLR)</i>

For additional assistance, please contact Toshiba Adjustable Speed Drive Marketing Dept. at (800) 872-2192

\*These parameters are application dependent. In this example, the default values are used.

## Operation

In this example, the CNOD is left at default, so the start command is from the keypad RUN pushbutton. When the RUN button is pushed, the drive speed is determined by the duration of the closure between S1 and CC for incremental speed or the decremental speed between S2 and CC. When the S3 is closed to CC, the speed will ramp down to 0. When STOP button is pushed, the drive will stop operation until next time the Run button is pushed again.

## Revision History:

Rev.	Date	Written/Revised By	Approved By	Description
2.2	6/22/2011	Joshua Austin	Eric Houg	Formatting, and new connections diagram. Revised to incorporate document control requirements.

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