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Product	Imoticon ID700
Title	
	Imoticon ID700 Jog References
Summary	
	This document gives information on how to set up the Imoticon ID700 for Jog references

NOTE: Please read this document in conjunction with the Imoticon ID700 Easy Start Guide and Imoticon ID700 Advanced User Manual.

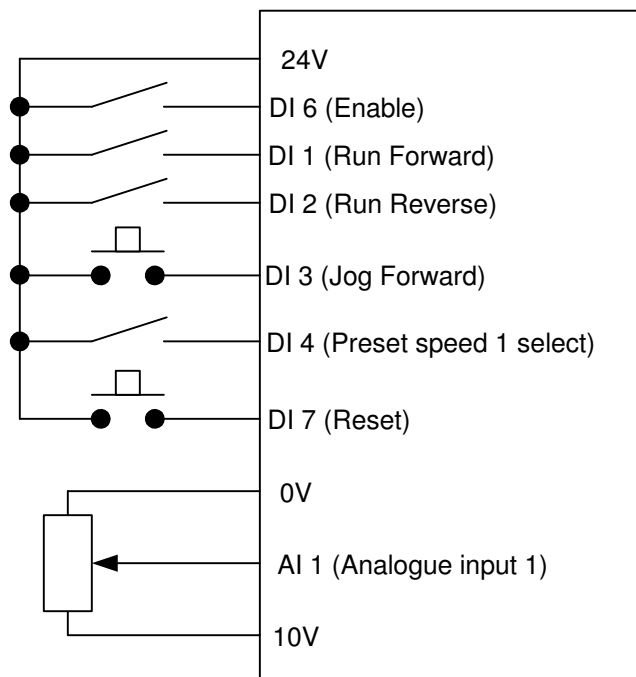
Overview

This document gives information on setting up Jog references. The Jog References are usually slow speeds used to move a piece of work or conveyor belt etc. to a certain position.

The following pages show some examples of terminal connections and parameter sets up for implementing jog references.

Example 1 - Implementing a Jog Forward Reference

Terminal connections



Parameter Settings

Parameter	Name	Setting	Description
P00.04	Control mode	1	Terminal control
P00.05	Reference source	3	Analogue input 1 reference source
P00.23	Extended parameter access	1	All parameters accessible
P01.04	Jog speed reference	5.0Hz	Sets Jog speed reference
P02.22	Jog acceleration time	10.0s	Sets the jog acceleration time
P02.23	Jog deceleration time	10.0s	Sets the jog deceleration time

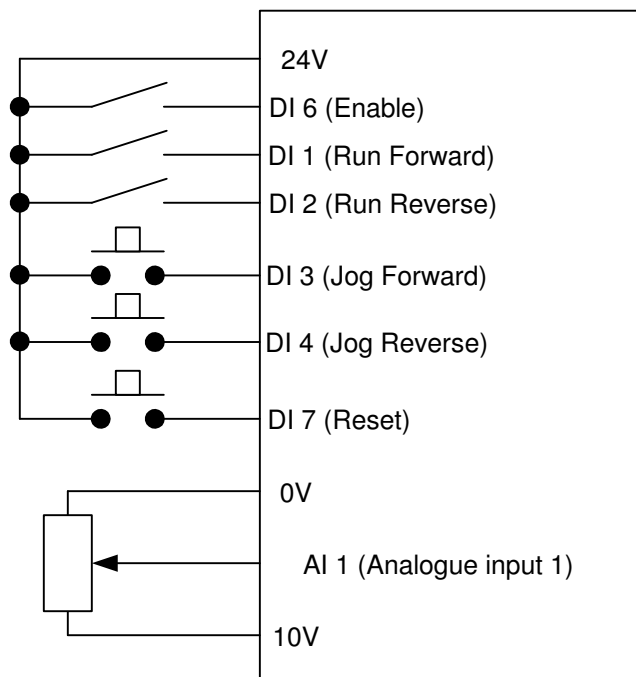
Operation

For normal speed control operation, close the Enable and Run Forward or Run Reverse switches. The speed is controlled by the potentiometer connected to analogue input 1.

For a Jog Forward speed reference, close the Enable terminal and press the Jog Forward push button. The drive will enable and ramp up to run at the jog speed reference in the forward direction. Release the Jog Forward button and the drive will ramp to a stop.

Example 2 - Implementing Jog Forward & Jog Reverse References

Terminal connections



Parameter Settings

Parameter	Name	Setting	Description
P00.04	Control mode	1	Terminal control
P00.05	Reference source	3	Analogue input 1 reference source
P00.23	Extended parameter access	1	All parameters accessible
P01.04	Jog reference	5.0Hz	Sets Jog speed reference
P02.22	Jog acceleration time	10.0s	Sets the jog acceleration time
P02.23	Jog deceleration time	10.0s	Sets the jog deceleration time
P09.01	Digital input function level control	1	Allows digital input functions to be changed
P09.05	Digital input 4 function select	3.26	DI 4 as Jog Reverse

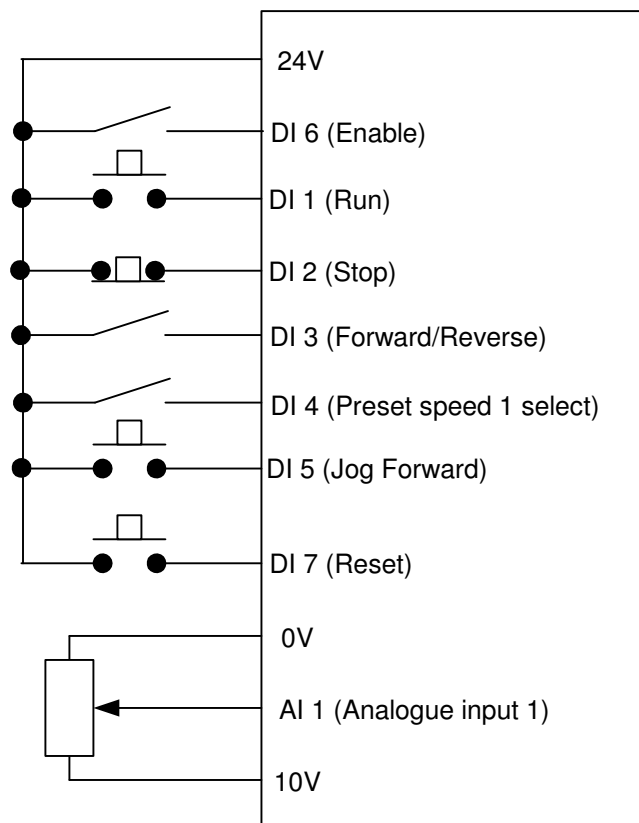
Operation

For normal speed control operation, close the Enable and Run Forward or Run Reverse switches. The speed is controlled by the potentiometer connected to analogue input 1.

For a Jog Forward speed reference, close the Enable switch and press the Jog Forward push button. The drive will enable and ramp up to run at the jog speed reference in the forward direction. Release the Jog Forward button and the drive will ramp to a stop.

For a Jog Reverse speed reference, close the Enable switch and press the Jog Reverse push button. The drive will enable and ramp up to run at the jog speed reference in the reverse direction. Release the Jog Reverse button and the drive will ramp to a stop.

Example 3 – Implementing Jog Forward Reference with Momentary Start/Stop Control



Parameter Settings

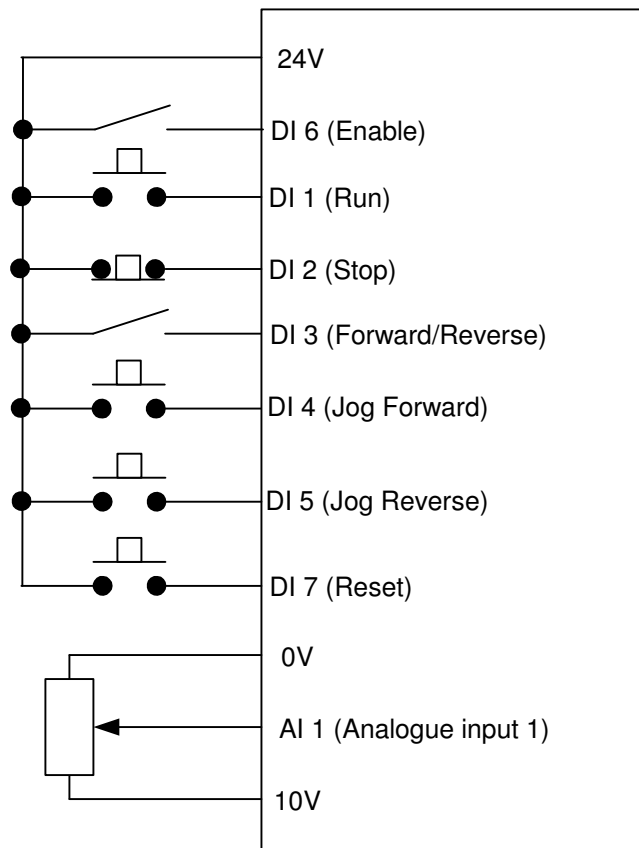
Parameter	Name	Setting	Description
P00.04	Control mode	1	Terminal control
P00.05	Reference source	3	Analogue input 1
P00.14	Digital input selector	2	Momentary Start/Stop Control
P00.23	Extended parameter access	1	All parameters accessible
P01.04	Jog reference	5.0Hz	Sets Jog speed reference
P02.22	Jog acceleration time	10.0s	Sets the jog acceleration time
P02.23	Jog deceleration time	10.0s	Sets the jog deceleration time
P09.06	Digital input 5 function select	7	DI 5 as Jog Forward

Operation

For normal speed control operation, close the Enable and press the Run button. The speed is controlled by the potentiometer connected to analogue input 1. To stop, press the Stop button.

For a Jog Forward speed reference, close the Enable terminal and press the Jog Forward push button. The drive will enable and ramp up to run at the jog speed reference in the forward direction. Release the Jog Forward button and the drive will ramp to a stop.

Example 4 – Implementing Jog Forward & Jog Reverse References with Momentary Start/Stop Control



Parameter Settings

Parameter	Name	Setting	Description
P00.04	Control mode	1	Terminal control
P00.05	Reference source	3	Analogue input 1
P00.14	Digital input selector	2	Momentary Start/Stop Control
P00.23	Extended parameter access	1	All parameters accessible
P01.04	Jog reference	5.0Hz	Sets Jog speed reference
P02.22	Jog acceleration time	10.0s	Sets the jog acceleration time
P02.23	Jog deceleration time	10.0s	Sets the jog deceleration time
P09.01	Digital input function level control	1	
P09.05	Digital input 4 function select	3.25	DI 4 as Jog Forward
P09.06	Digital input 5 function select	3.26	DI 5 as Jog Reverse

Operation

For normal speed control operation, close the Enable and press the Run button. The speed is controlled by the potentiometer connected to analogue input 1. To stop, press the Stop button.

For a Jog Forward speed reference, close the Enable terminal and press the Jog Forward push button. The drive will enable and ramp up to run at the jog speed reference in the forward direction. Release the Jog Forward button and the drive will ramp to a stop.

For a Jog Reverse speed reference, close the Enable terminal and press the Jog Reverse push button. The drive will enable and ramp up to run at the jog speed reference in the reverse direction. Release the Jog reverse button and the drive will ramp to a stop.

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