

Application Note

AN-VTC-23

Using the Optidrive VTC with 6 preset speeds

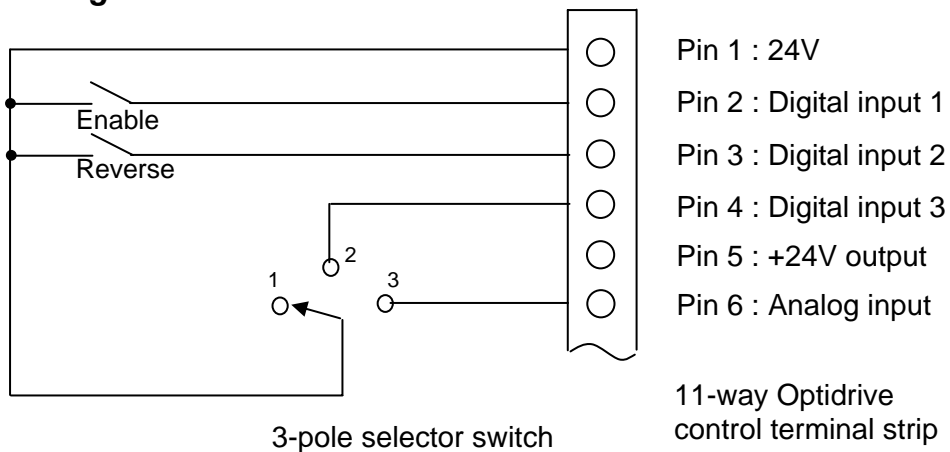
Author: Ning Xu, Invertek Drives Ltd

Revision: 2.21 6 September 2006

- **General**

The Optidrive VTC can be configured to operate with any one of 6 preset speeds, 3 in a forwards direction and the same 3 in a reverse direction. These are selected using a 3-position selector switch for the 3 forwards preset speeds and an additional switch for the forwards / reverse selection.

- **Wiring details :**



- **Notes :**

1. The Optidrive must be set to terminal mode with P1-12 = 0 and P2-01= 5.
2. The preset speeds are set in P1-11, P2-02 and P2-03. The preset speeds can be set to any value between -P1-01 and P1-01.
3. Each of the 3 preset speeds can be reversed in polarity by closing a switch between terminals 1 and 3 (connecting the digital input 2). This effectively provides a total of 6 preset speeds. The bipolar analog input signal format in P2-30 should be set to 0...24V mode.

--- End ---