

Application Note

AN-VTC- 42

Achieve local or remote control with Modbus network

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Revision: 2.21 **6 September 2006**

- **General:**

This document gives a sample on to use Optidrive VTC to setup a Modbus control system with remote and local control capability.

- **Description:**

Basically in this kind of application, there is usually a switch on the drive control terminal. Which enable user to select between local control mode and remote control mode.

In local control mode, the system request that the drive can be started or stopped by the control terminals and the drive speed can be adjusted by the UP or DOWN button on the control panel or the UP or DOWN button on the remote keypad (Optiport+).

In remote control mode, the system request that the drive can be started or stopped by the Modbus master command. And the drive speed can be adjusted by the Modbus master.

In order to achieve the above function, Optidrive VTC provides the following special function.

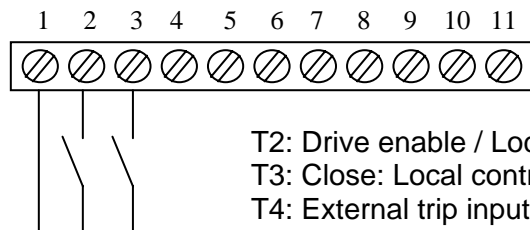
- **Parameter setup:**

The following parameters should be setup in order to get such control functionality.

$$P1-12 = 4, P2-01=10, P2-19 = 0 \text{ or } 1$$

For the Modbus network setup parameters, please refer to AN-VTC-39 for more information.

- **Terminal connection**



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