

## Chapter 10 User Instructions

### CURRENT LOOP AND ZERO SPEED OPTION CARD

#### INTRODUCTION

The current loop and zero speed option card is intended to provide a speed reference and a zero speed indication for the Eurotherm Drives 582/3 series of inverters.

Current loop format is configurable via the switches provided.

#### OPTION SWITCHES

Four current loop formats are available with this option card and are selected in the following way:-

	SW1	SW2	SW3	SW4
0.20mA	OFF	OFF	ON	OFF
4-20mA	ON	ON	ON	OFF
20-0mA	OFF	OFF	OFF	ON
20-4mA	ON	ON	OFF	ON

The 0/4-20mA formats will give an increase in speed for an increase in mA.

The 20-4/0mA formats will give an increase in speed for a decrease in mA.

#### ELECTRICAL SPECIFICATION

Accuracy	± 2% of FS
Input Impedance	100 Ω
Common Mode Voltage	30V
Bandwidth	20Hz
Zero Speed	N/O Contact
	24V 2A contact
	De-energized at Zero Speed

#### FITTING INSTRUCTIONS

Configure option switches and insert the connector onto the option pins provided on the inverter. When fitted the components should be on the bottom side of the board and secured by a push fit of nylon supports. If fitted incorrectly possible damage may occur.

Wiring Diagram over page:-

TERMINALS  
CONTROL  
INVERTER

