
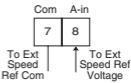
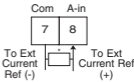
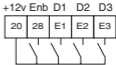


smd Quick Set-Up Card

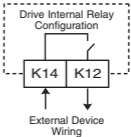
Frequency Control Wiring – Default = '0', CO1 & C34

<p>Internal Voltage Control</p> <p>C01 = 0, 2, 4, 6, 8 or 10 C34 = 0</p> <p>Settings in Blue available on all 400V models and 240V versions from 5.5-15kW</p>	
<p>External Voltage Frequency Control</p> <p>C01 = 0, 2, 4, 6, 8 or 10 C34 = 0 for 0 - 10V range 1 for 0 - 5V Range</p> <p>Settings in Blue available on all 400V models and 240V versions from 5.5-15kW</p>	
<p>Current Source Speed Control</p> <p>C01 = 0, 2, 4, 6, 8 or 10 C34 = 2 for 0 - 20mA Range 3 for 4 - 20mA Range</p> <p>Settings in Blue available on all 400v models and 230V versions from 5.5-15kW *250 External Resistor: Not Required on 400V smd and 230V smd from 5.5-1.5KW</p>	

Digital Input Control Wiring

<p>T28 = Drive Enable</p> <p>E1 Function Set by CE1 - Default = '1' E2 Function Set by CE2 - Default = '4' E3 Function Set by CE3 - Default = '3'</p>													
<p>Digital Input Functions</p> <table border="0"> <tbody> <tr> <td>1 = Jog Speed 1 (C37)</td> <td>6 = CW Rotation</td> </tr> <tr> <td>2 = Jog Speed 2 (C38)</td> <td>7 = CCW Rotation</td> </tr> <tr> <td>Jog Speed 3 (C39) both terminals = High</td> <td>8 = MPot Up</td> </tr> <tr> <td>3 = DC Braking (DCB)</td> <td>9 = MPot Down</td> </tr> <tr> <td>4 = Direction of Rotation</td> <td>10 = Activate Trip</td> </tr> <tr> <td>5 = Quick Stop</td> <td>11 = Reset Trip</td> </tr> </tbody> </table>	1 = Jog Speed 1 (C37)	6 = CW Rotation	2 = Jog Speed 2 (C38)	7 = CCW Rotation	Jog Speed 3 (C39) both terminals = High	8 = MPot Up	3 = DC Braking (DCB)	9 = MPot Down	4 = Direction of Rotation	10 = Activate Trip	5 = Quick Stop	11 = Reset Trip	
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5 = Quick Stop	11 = Reset Trip												

Terminal Relay Wiring - Default = '1'

<p>Relay Energised If;</p> <p>C08 = 0 - Drive Ready C08 = 1 - Drive in Fault Trip C08 = 2 - Motor Running C08 = 3 - Motor Running Clockwise C08 = 4 - Motor Running Counter-Clockwise C08 = 5 - Output Frequency = 0Hz C08 = 6 - Motor Reached Frequency Set-point C08 = 7 - Threshold Set in C17 Exceeded C08 = 8 - Drive Operating in Current Limit</p>	
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smd Quick Set-Up Card

Parameter Settings:

C01: Control Source - Default = '0'

C01 = '0' analog input (terminal 8) / Control = terminals. Programming = keypad
Set to change source of analog input, control and programming (See manual)

C10: Minimum Output Frequency - Default = '0Hz'

Set to Minimum Frequency for Application. Provides low limit for input of 0V

C11: Maximum Output Frequency - Default = '50Hz'

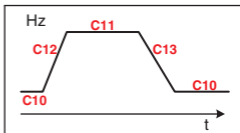
Set to Maximum Frequency for Application

C12: Acceleration Time - Default = '5s'

Set to required Acceleration Time
Time for Frequency Change of 0Hz to C11

C13: Deceleration Time - Default = '5s'

Set to required Deceleration Time
Time for Frequency Change of C11 to 0Hz



C14: Operating Mode - Default = '2' (Linear V/F)

- 0 - Linear Characteristic with Auto-Boost – For Standard Applications
- 1 - Square Law Characteristic with Auto-Boost – For Fans & Pumps with Square Law Characteristics
- 2 - Linear Characteristic with constant Vmin boost – For Standard Applications (See Parameter C16)
- 3 - Square Law Characteristic with constant Vmin boost – For Fans & Pumps with Square Law Characteristics (See Parameter C16)

C15: V/f Reference Point - Default = '50Hz'

Set to Motor Rated Frequency

C22: Current Limit - Default = '150%'

Limits the maximum available current from the smd in order to protect the mechanics and/or to provide a better thermal protection for the motor.
Set the value to the minimum required for the application.

C90: Input Voltage Selection - Default = '2' (200 - 230V Drives) Default = '1' (400 - 480V Drives)

- 0 - Auto – Detected at first power up
- 1 - Low – For 200V or 400V input Voltage
- 2 - High – For 230V or 480V input Voltage

Always check this parameter at first power up to ensure correct setting.

c20: I²t Switch Off (Thermal Motor Monitoring) – Default '100%'

Calculate for Motor Rated Current. 100% = full drive rated output current.
e.g. Motor Full Load Current = 2.1A. Drive Nominal Output Current = 2.5A
Setting = $(2.1/2.5) \times 100 = 84\%$