

TYPICAL CONFIGURATIONS SD250

S/W version EU1.6

Created: **M.Duncan**
Position: **Sales & Marketing Director**
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Reviewed: **B.Sheridan**
Position: **Technical Director**
Date: **13/02/05**

TYPICAL CONFIGURATIONS SD250

Two Wire Start/Stop control with Speed Control via Analogue Input (0-10V or 4-20mA)

1.- Configuration Parameters

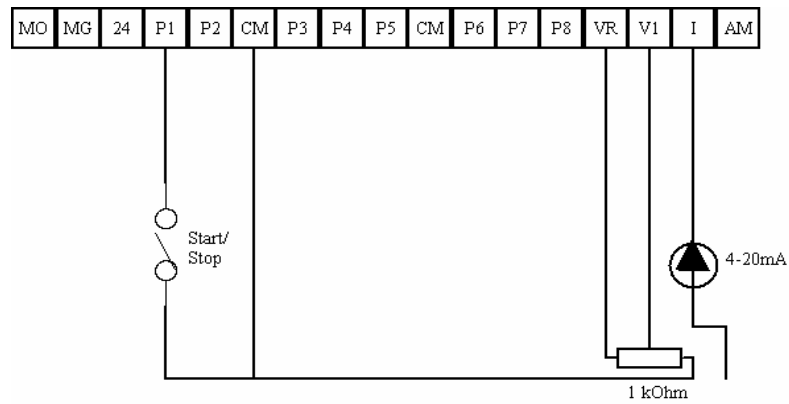
CODE	DESCRIPTION	DISPLAY	VALUE (DEFAULT)
DRV-00	Ref Frequency	0.00	50Hz. Display only screen.
DRV-01	Accl Time	ACC	(5 sec)
DRV-02	Decl Time	DEC	(10 sec)
DRV-03	Str/Stp Control Mode	Drv	(1 – Start/Stop via Control Terminals, Fx-Forward Rx-Reverse.)
DRV-04	Freq Control Source	Frq	3 - V1 = 0-10VDC 4 - I = 0-20mA
FU1-04	Stop Mode	F4	(0 - Deceleration)
FU1-21	Maximum Freq	F21	(50Hz)
FU1-22	Motor Rated Freq	F22	(50Hz)
FU1-24	Freq Limit Select	F24	(0 - NO) * Operates bewteen values FU1-21 & FU1-23 1 - YES * Limits are adjusted in FU1-25/26
FU1-25	Minimum Freq Limit	F25	(0.1Hz) * screen only visible if FU1-24 = YES
FU1-26	Maximum Freq Limit	F26	(50Hz) * screen only visible if FU1-24 = YES
FU1-27	Torque Boost Select	F27	(0 - Manual) * adjust in FU1-28 Auto
FU1-50	Motor Thermal Model	F50	(NO) * External protection used YES * Internal thermal model used
FU1-51	Thermal Trip Level	F51	(150%) * Screen only visible if FU1-50 = YES
FU1-52	Continuous motor thermal	F52	(100%) * Screen only visible if FU1-50 = YES
FU1-53	Motor Cooling type	F53	(0 - Self Cooled)
FU2-20	Power on Start Select	H20	(0 - NO. On resumption of power, cycle terms Fx or Rx) 1 - YES. On resumption of power, drive will start if Fx or Rx are still closed.
FU2-30	Motor Power Rating	H30	* Enter motor nameplate kW
FU2-31	Motor Pole Rating	H31	(4) * Enter number of motor poles
FU2-32	Motor Rated Slip	H32	(auto based on FU2-30) * Enter slip frequency
FU2-33	Motor Rated Current	H33	(auto based on FU2-30) * Enter nameplate current
FU2-93	Initialize Drive Settings	H93	(NO)
FU2-95	Parameter Protection	H95	(0 - not protected)
I/O-08	V1 Analogue Min Freq Scale	I3	(0.00Hz)
I/O-10	V1 Analogue Max Freq Scale	I5	(50.00Hz)
I/O-13	I Analogue Min Freq Scale	I8	(0.00Hz)
I/O-15	I Analogue Max Freq Scale	I10	(50.00Hz)

denotes minimum necessary adjustments.

(***) denotes SD250 default value

2.- Control terminal connections.

Terminals CM / P1 : start/stop in forward direction (NO contact)
 Terminals VR : 12VDC potentiometer supply
 Terminals V1 / CM : 0-10VDC analogue input
 Terminals I / CM : 4-20mA analogue input



NOTE: the remote control cables must be screened