

TYPICAL CONFIGURATIONS SD450
Two Wire Start/Stop with Analogue Speed Reference.

S/W PE 1.0 ver 0.3

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TYPICAL CONFIGURATIONS SD450

Two Wire Start/Stop with Analogue Speed Reference.

1.- Configuration Parameters

| CODE | DESCRIPTION | DISPLAY | VALUE (DEFAULT) |
|--------|--------------------------------|--------------|---|
| DRV-00 | Command Frequency | 0.00 | (0.00). Display only screen |
| DRV-01 | Accl Time | Acc. Time | (20 sec). |
| DRV-02 | Decl Time | Dec. time | (30 sec). |
| DRV-03 | Str/Stp Control Mode | Drive mode | (1 - Start/Stop via control terminals, Fx-Forward Rx Reverse) Rx Reverse.) |
| DRV-04 | Frequency Control Source | Freq mode | 2 - V1 = 0 -10VDC 4 - I = 4-20mA |
| FU1-30 | Maximum Freq | Max Freq | (50Hz). |
| FU1-31 | Motor Rated Freq | Base Freq | (50Hz). |
| FU1-60 | Electronic Motor Thermal Model | ETH select | (YES). |
| FU1-61 | Thermal Trip Level | ETH 1 min | (150%) * Screen only visible if FU1-60 = YES |
| FU1-62 | Continuous motor thermal | ETH cont | (120%) * Screen only visible if FU1-60 = YES |
| FU1-63 | Motor Cooling type | Motor type | (0 - Self Cooled) |
| FU2-40 | Motor Power Rating | Motor select | (dependant on model) Enter closest motor kW |
| FU2-41 | Motor Pole Rating | Pole number | (4) Enter number of motor poles |
| FU2-42 | Motor Rated Slip | Rated-Slip | (auto based on FU2-40) * Enter slip frequency |
| FU2-43 | Motor Rated Current | Rated-Curr | (auto based on FU2-40) * Enter nameplate current |
| I/O-03 | V1 Analogue Min Freq Scale | V1 freq y1 | (0.0Hz). |
| I/O-05 | V1 Analogue Max Freq Scale | V1 freq y2 | (50.00Hz). |
| I/O-08 | I Analogue Min Freq Scale | I freq y1 | (0.0Hz). |
| I/O-10 | I Analogue Max Freq Scale | I freq y2 | (50.00Hz). |

denotes minimum necessary adjustments.
 (xx) denotes SD450 default value

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2.- Control terminal connections.

Terminal CM : Common
 Terminal M7 : Start/Stop (Input pre-configured)
 Terminal V1 : 0-10VDC Analogue Input (Input pre-configured)
 Terminal I : 4-20mA Analogue Input (Input pre-configured)
 Terminal 5G : 4-20mA and 0-10VDC Analogue Input Common

