

# MSC-3R Menu: Control Card v1.32 + Option Card v1.15

## A00 DISPLAY

A01 Run variable V01 Hz  
 A02 Run Scale 50.0  
 A03 Run units Hz  
 A04 Menu Protect H01 Disabled  
 A05 Set CTL defs

## B00 MOTOR

B01 Motor volts 415  
 B02 Motor amps .....  
 B03 Motor Hz 50  
 B04 Motor RPM 1465

## C00 PERFORMANCE

C01 MIN Hz 0  
 C02 MAX Hz 50  
 C03 Ramp  
 C04 Accel time 10.0  
 C04 Decel time 10.0  
 C06 S time 0.01  
 C07 Flux Plus % 25  
 C08 Hi spd flux+ H01 Disabled  
 C09 Slip comp 0  
 C11 Audible freq C16 Auto Select

## D00 PROTECTION

D01 Current lim .....  
 D02 I2t .....  
 D03 I2t zero Hz .....  
 D04 I2t cnr Hz 10  
 D05 Reverse H01 Disabled  
 D08 DC Input H01 Disabled

## E00 STOP/START

E01 Stopping E02 Ramp to stop  
 E06 Dynamic Brk H01 Disabled  
 E07 Auto restart  
 E08 A/Rs allowed 0  
 E09 A/R clr time 20.0  
 E10 reset by PF H01 Disabled  
 E11 Pf ride thru H01 Disabled

## F00 REFERENCES

F01 REMOTE R00 AN1  
 F02 LOCAL R07 CONSOLE REF  
 F03 ESO R03 Preset % 60  
 F04 JOGFWD R03 Preset % 60  
 F05 JOGREV R03 Preset % 60

## G00 INPUT/OUTPUT

G01 Terminal CFG G02 CONFIG1  
 G10 Enable/Reset H01 Disabled  
 G11 DIG IN 1 I07 RESET  
 G12 DIG IN 2 I02 STOP  
 G13 DIG IN 3 I00 FWD&LATCH  
 G14 DIG IN 4 I11 REMOTE  
 G15 RELAY 1 O00 RUN  
 G16 RELAY 2 O01 TRIP  
 P01 Analog Opt V01 Hz  
 P02 Zero opt % 0  
 P03 Max opt % 100  
 P04 Min opt % 0  
 P18 OP DIG IN 1 P15 Selector 1  
 P19 OP DIG IN 2 P16 Selector 2  
 P20 OP DIG IN 3 P17 Selector 3  
 P21 OP DIG IN 4 I01 FWD&LATCH  
 P41 OP Dig out O00 RUN

## J00 OPTION DEFS

J01 Check Optn

## P05 OPTION REFS

P06 User Ref 1 R00 AN1  
 P07 User Ref 2 P22 Analog inpt  
 P08 Preset1 % 10  
 P09 Preset2 % 20  
 P10 Preset3 % 30  
 P11 Preset4 % 40  
 P12 Preset5 % 50  
 P13 Preset6 % 60

## P25 PID Control

P26 PB (%) 300  
 P27 Ti (sec/r) 2.00  
 P28 Td (sec) 0.00  
 P29 +I Clamp % 100  
 P30 -I Clamp % -100  
 P31 +O Clamp % 100  
 P32 -O Clamp % 0  
 P33 SV choice R00 AN1  
 P34 FF choice P37 ZERO ref  
 P35 PID Units %  
 P36 PID Scale 100

## C.. Sub menu

C12 16.0 kHz  
 C13 8.0 kHz  
 C14 4.0 kHz  
 C15 2.0 kHz

## E.. Sub Menu

E02 Ramp to stop  
 E03 Coast

## G.. Sub menu

G02 CONFIG 1  
 G03 CONFIG 2  
 G04 CONFIG 3  
 G05 CONFIG 4  
 G06 CONFIG 5  
 G07 CONFIG 6  
 G08 CONFIG 7  
 G09 CONFIG 8

## H.. Sub menu

H00 Enabled  
 H01 Disabled

## I.. Sub menu

I00 FWD&LATCH  
 I01 REV&LATCH  
 I02 STOP  
 I03 FWD  
 I04 REV  
 I05 UP  
 I06 DOWN  
 I07 RESET  
 I08 ESO  
 I09 JOGFWD  
 I10 JOGREV  
 I11 REMOTE  
 P15 Selector 1  
 P16 Selector 2  
 P17 Selector 3

## O.. Sub menu

O00 RUN  
 O01 TRIP  
 O02 ESO  
 O03 PROOF  
 O04 ZERO SPEED  
 O05 AT SPEED  
 O06 UNDER SPEED %  
 O07 OVER SPEED %  
 O08 ON  
 O09 OFF  
 O10 A/R FAIL  
 O11 FWD  
 O12 REV  
 O13 ENABLED  
 O14 I2t TRIP  
 O15 OVER TEMP  
 P39 PV Over % 80  
 P40 PV Under % 20

## R.. Sub menu

R00 AN1  
 R01 REF AT 0% 0  
 R02 REF AT 100% 100  
 R03 PRESET % 60  
 R04 MOTORIZD POT  
 R05 PERSISTENT  
 R06 RESET  
 R07 CONSOLE REF  
 P22 Analog input  
 P23 Ref at 0% 0  
 P24 Ref at 100% 100  
 P14 Ref select  
 P38 PID output  
 P37 ZERO ref

## V.. Sub menu

V01 Hz  
 V02 rpm  
 V03 % load  
 V04 Amps  
 V05 Volts DC  
 V06 kW  
 V07 Volts AC  
 V08 °C  
 V09 °F  
 V10 I2t used  
 P38 PID out