

GENERAL/OVERVIEW WIRING SCHEMATIC

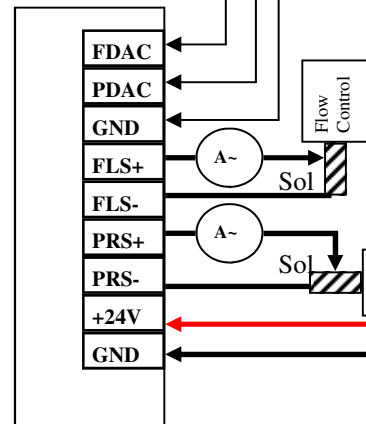
MMI<IOBOARD>PQ AMPLIFIER<SMPS>FILTER



USB Comm.Cable

MMI
Power
Cable

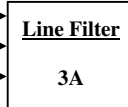
Data
Comm.
Cable



Input:230VAC, 1φ

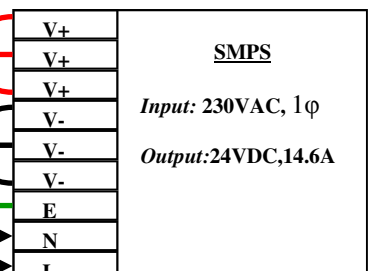
EARTH

Line



Neutral

Line

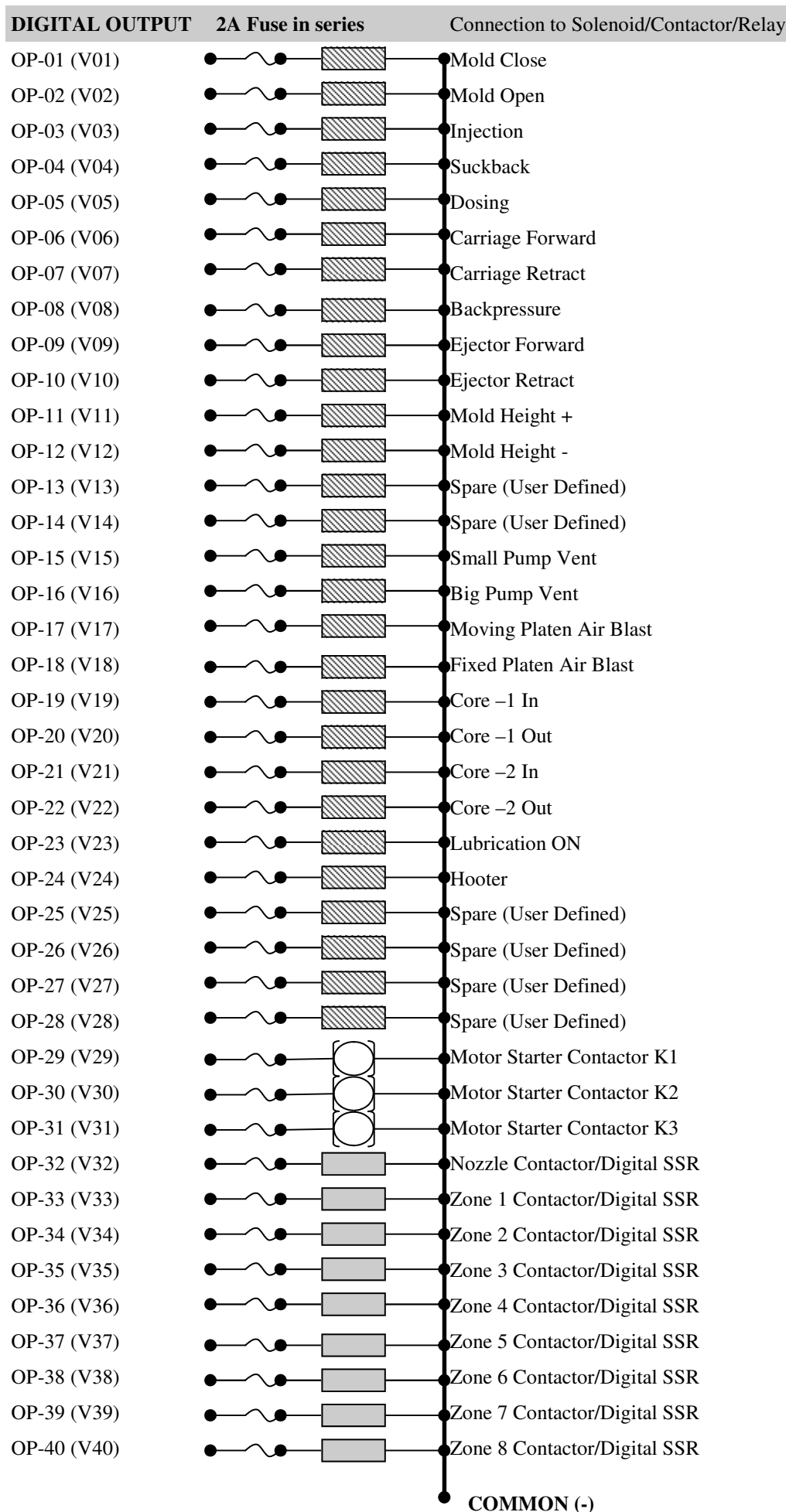


Inside the Bottom Panel

COMMON/RETURN WIRE FROM LSW/SENSORS/MODULES SHOULD BE CONNECTED TO DIGITAL INPUTS

DIGITAL INPUT	CONNECTION TO
DI-01 (LSW01)	MOLD CLOSE END (LOCKING END)
DI-02 (LSW02)	MINIMUM MOLD HEIGHT SAFETY
DI-03 (LSW03)	LUBRICATION OIL LEVEL LOW(NC)
DI-04 (LSW04)	LUBRICATION PRESSURE SENSOR
DI-05 (LSW05)	MOTOR OVERLOAD INPUT
DI-06 (LSW06)	MOLD HEIGHT FORWARD
DI-07 (LSW07)	MOLD HEIGHT RETRACT
DI-08 (LSW08)	DIE HEIGHT DETECTOR
DI-09 (LSW09)	EJECTOR FORWARD POSITION
DI-10 (LSW10)	EJECTOR RETRACT POSITION
DI-11 (LSW11)	FRONT SAFETY GUARD + SEMI AUTO START
DI-12 (LSW12)	REAR SAFETY GUARD
DI-13 (LSW13)	DROP DETECT
DI-14 (LSW14)	CARRIAGE FORWARD POSITION
DI-15 (LSW15)	CARRIAGE RETRACT POSITION
DI-16 (LSW16)	ENERGY METER PULSE INPUT
DI-17 (LSW17)	CORE-1 IN
DI-18 (LSW18)	CORE-1 OUT
DI-19 (LSW19)	CORE-2 IN
DI-20 (LSW20)	CORE-2 OUT
DI-21 (LSW21)	SUCKBACK END
DI-22 (LSW22)	SPARE
DI-23 (LSW23)	SPARE
DI-24 (LSW24)	SPARE
DI-25 (LSW25)	SPARE
DI-26 (LSW26)	SPARE
DI-27 (LSW27)	SPARE
DI-28 (LSW28)	SPARE
DI-29 (LSW29)	HOPPER EMPTY
DI-30 (LSW30)	SCREW SPEED PROXY SENSOR
DI-31 (LSW31)	HYDRAULIC MOTOR ON INPUT
DI-32 (LSW32)	EMERGENCY INPUT(NC)

32 DIGITAL INPUTS :TYPE NPN
DIGITAL INPUTS (1-32) WIRING SCHEMATIC

**DIGITAL OUTPUTS (1-40) WIRING SCHEMATIC**



DAC OUTPUT (-10 TO +10VDC)	CONNECTION TO
DAC-1 →	FLOW CONTROL ELEMENT (DEFAULT)
DAC-2 →	PRESSURE CONTROL ELEMENT (DEFAULT)
DAC-3 →	FLOW CONTROL ELEMENT (DEFAULT)
DAC-4 →	PRESSURE CONTROL ELEMENT (DEFAULT)
GND →	TO COMMON OF AMPLIFIER CARD/SERVO DRIVE/AC DRIVE

ALL DAC CHANNELS ARE PROGRAMMABLE/USER DEFINED ON MMI TO OUTPUT EITHER OF THE FOLLOWING:

DAC PIPING	OUTPUT
S	SET FLOW
P	SET PRESSURE
B	SET BACK PRESSURE
F	FULL VALUE=100% OF DAC CHANNEL MAX. CALIBRATED VALUE
1-9	1-10%, 2-20%, 3-30%, 4-40%, 5-50%, 6-60%, 7-70%, 8-80%, 9-90% OF DAC CHANNEL MAX. CALIBRATED VALUE

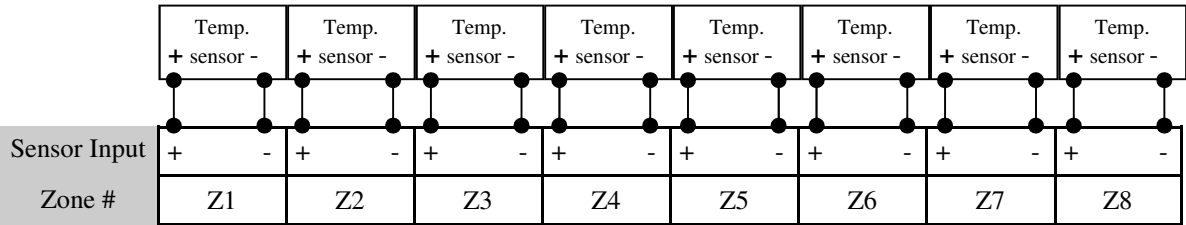
> For Backpressure proportional valve connect DAC-3/4 output to an *extra amplifier card* & set the Auto Solenoid energization tables on MMI accordingly.

AMPLIFIER CARD NOTES:

BY DEFAULT AMPLIFIER CARD DRIVES VALVE SOLENOIDS RATED UPTO 24VDC,1.6A

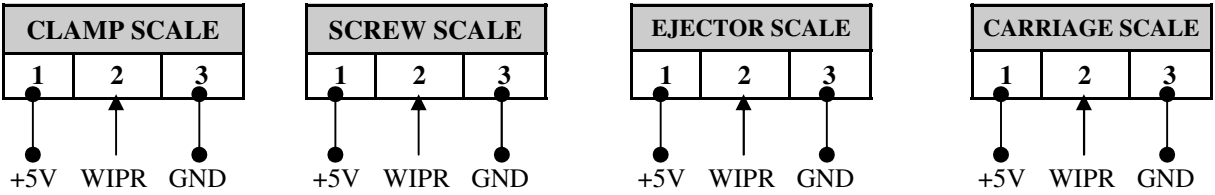
ANY ABOVE VOLTAGE REQUIREMENTS >24VDC, RECONNECT JUMPERS J1,J2 TO HV.

ANY ABOVE CURRENT REQUIREMENTS>1.6A, REPLACE 20E RESISTORS

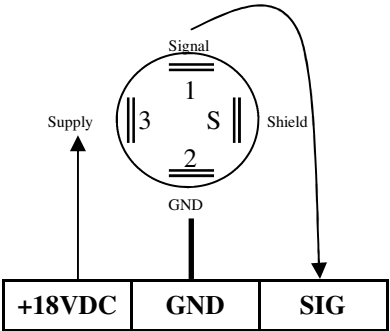


Temperature Sensor= J/K-type Thermocouple (Isolated)/ Pt-100 RTD

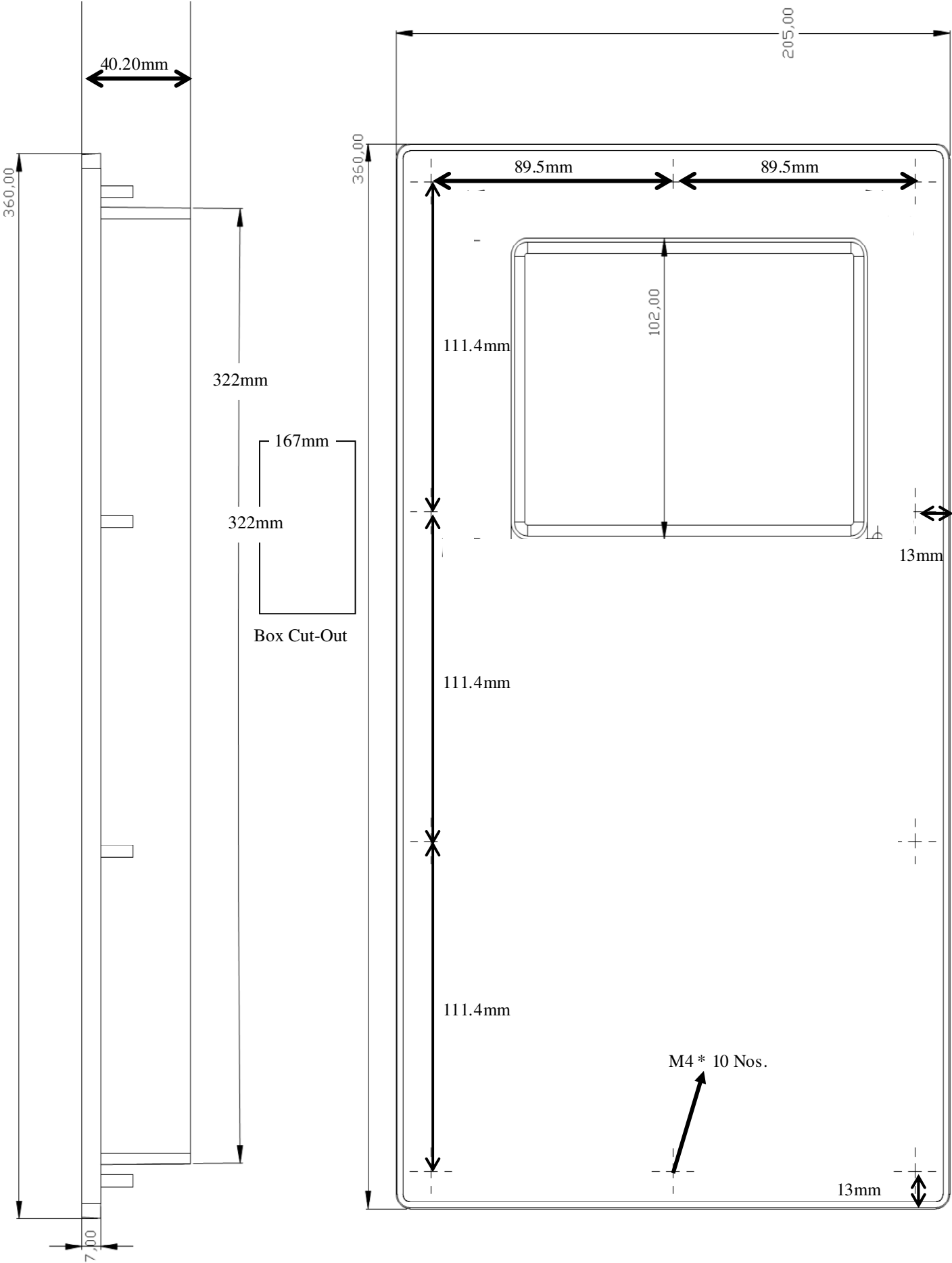
Temperature Sensor Wiring Schematic



Linear Potentiometers/Scales Wiring Schematic



Pressure Transducer Input Wiring Schematic



SS57 Frame Mounting Dimensions