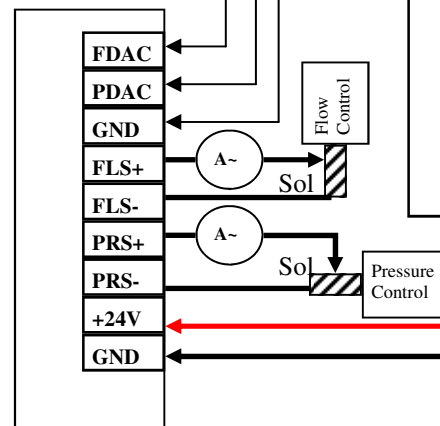


SV84 MMI

GENERAL/OVERVIEW WIRING SCHEMATICMMI<IOBOARD>PQ AMPLIFIER<SMPS>FILTER

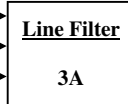
USB Comm.Cable

MMI
Power
CableData
Comm.
CablePQ AmplifierInput: 230VAC, 1 ϕ

EARTH

Line

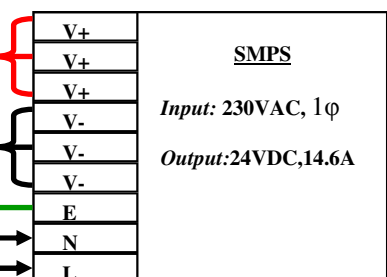
Neutral



Neutral

Line

Line

SMPSInput: 230VAC, 1 ϕ

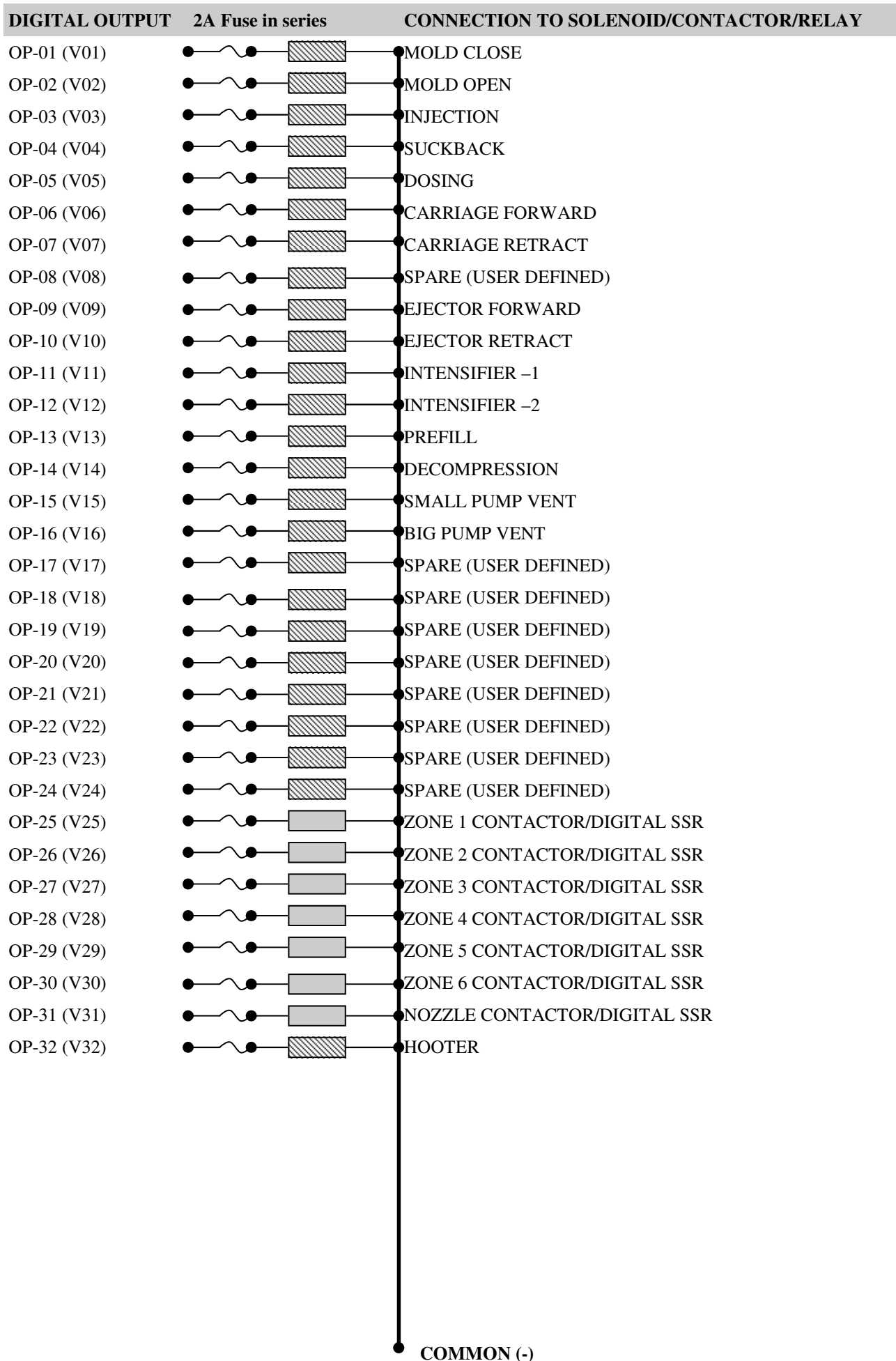
Output: 24VDC, 14.6A

Inside the Bottom Panel

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

DIGITAL INPUT	CONNECTION TO
DI-01 (LSW01)	TRANSFERABLE
DI-02 (LSW02)	MINIMUM MOULD HEIGHT SAFETY
DI-03 (LSW03)	EJECTOR FORWARD POSITION
DI-04 (LSW04)	EJECTOR RETRACT POSITION
DI-05 (LSW05)	CARRIAGE FORWARD POSITION
DI-06 (LSW06)	CARRIAGE RETRACT POSITION
DI-07 (LSW07)	HYDRAULIC OR LUB OIL LEVEL LOW
DI-08 (LSW08)	LUBRICATION OIL PRESSURE SWITCH
DI-09 (LSW09)	FRONT SAFETY GUARD OPEN
DI-10 (LSW10)	FRONT SAFETY GUARD CLOSE
DI-11 (LSW11)	REAR SAFETY GUARD CLOSE
DI-12 (LSW12)	NOZZLE SAFETY GUARD CLOSE
DI-13 (LSW13)	MOLD LOCKING PRESSURE SWITCH PS-1
DI-14 (LSW14)	MOLD LOCKING PRESSURE SWITCH PS-2
DI-15 (LSW15)	DROP DETECT SENSOR
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)	HOPPER EMPTY
DI-22 (LSW22)	SCREW SPEED PROXY SENSOR
DI-23 (LSW23)	HYDRAULIC MOTOR ON INPUT
DI-24 (LSW24)	EMERGENCY PB INPUT(NC)

24 DIGITAL INPUTS :TYPE NPN
DIGITAL INPUTS (1-24) WIRING SCHEMATIC

**DIGITAL OUTPUTS (1-32) 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

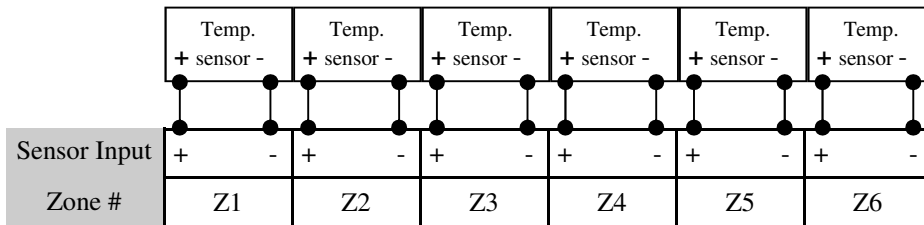
> For Backpressure proportional valve connect DAC-3/4 output to an *extra amplifier card* & set the **Auto Solenoid energization tables on MMI accordingly**.

AMPLIFIER CARD NOTES:

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

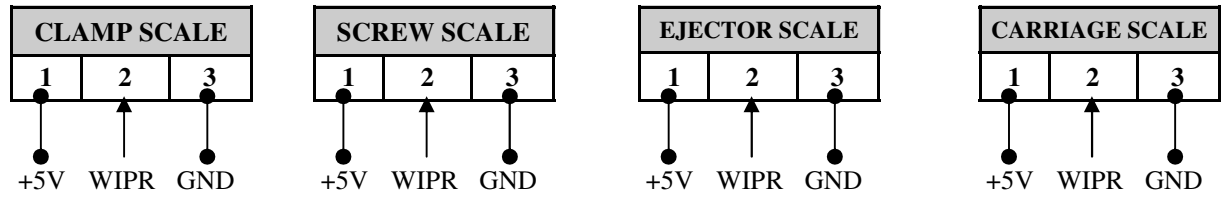
ANY ABOVE VOLTAGE REQUIREMENTS >24VDC, RECONNECT JUMPERS J1, J2 TO HV.

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

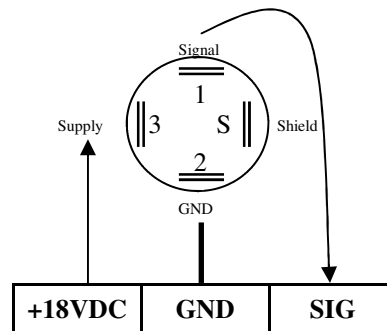


Temperature Sensor= J/K-type Thermocouple (Isolated)/ Pt-100 RTD

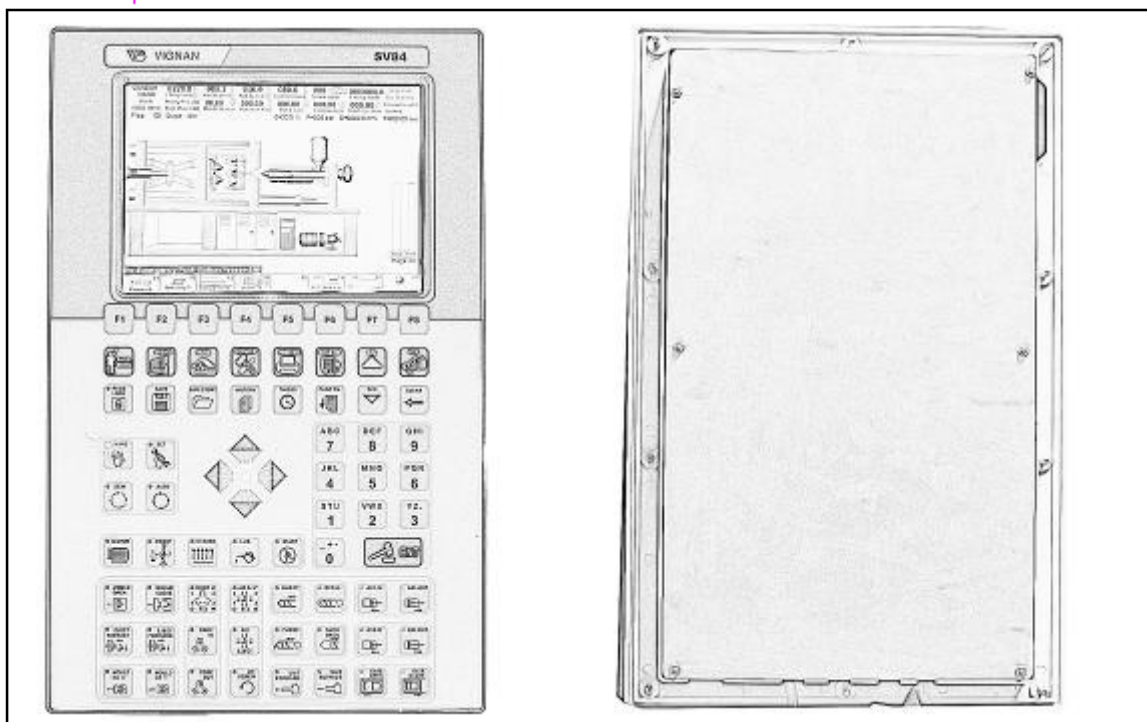
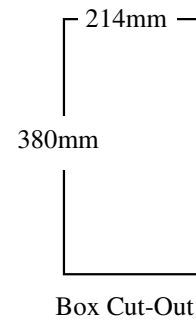
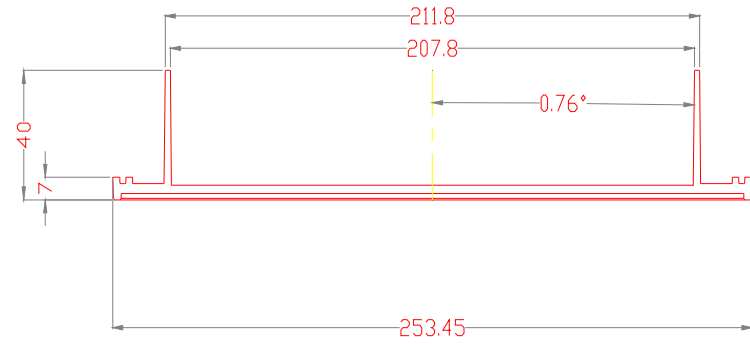
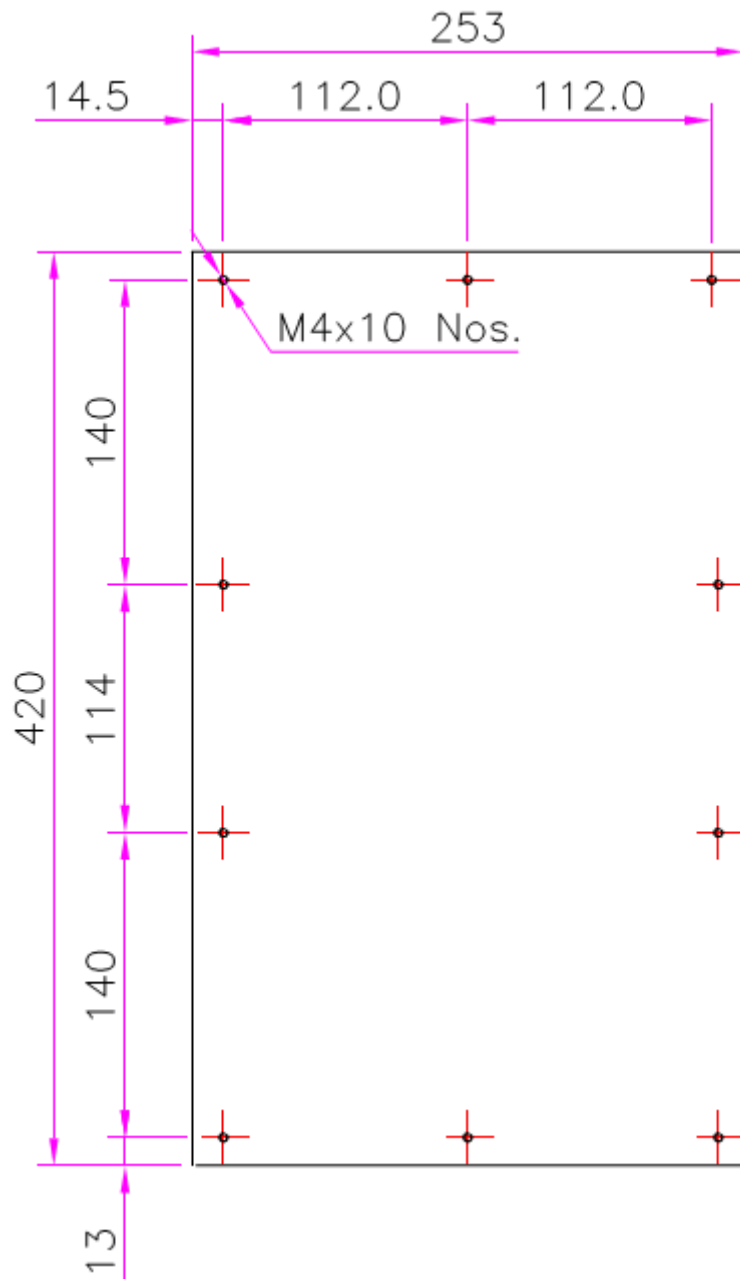
Temperature Sensor Wiring Schematic



Linear Potentiometers/Scales Wiring Schematic



Pressure Transducer Input Wiring Schematic



Mechanical Dimensions for Frame Fabrication