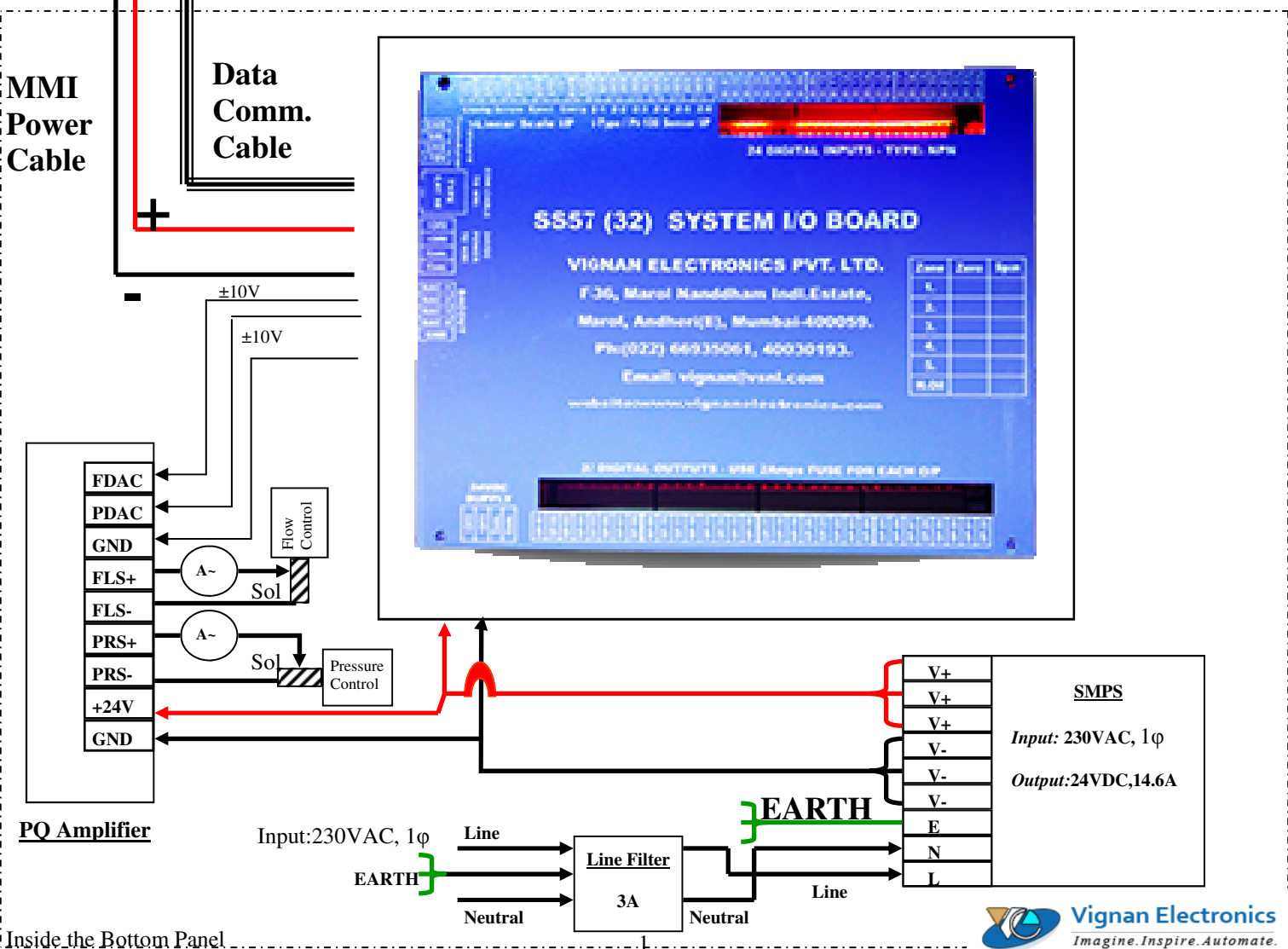


**GENERAL/OVERVIEW WIRING SCHEMATIC**

**MMI<->IOBOARD<->PQ AMPLIFIER<->SMPS<->FILTER**



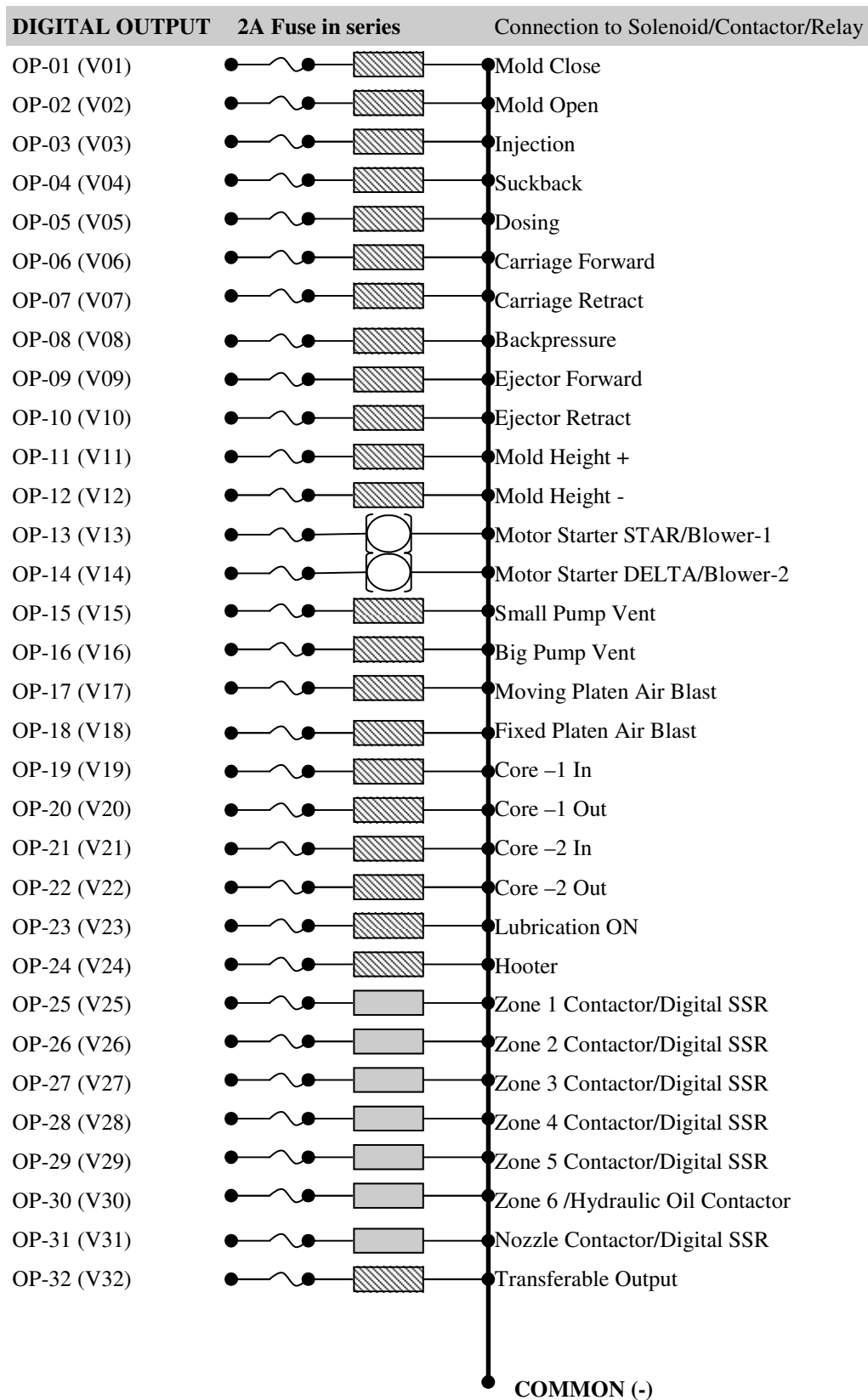
USB Comm.Cable



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

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

**24 DIGITAL INPUTS :TYPE NPN**  
**DIGITAL INPUTS (1-24) 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 CAHNNELS ARE PROGRAMMABLE/USER DEFINED ON MMI TO OUTPUT EITHER OF THE FOLLOWING:

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

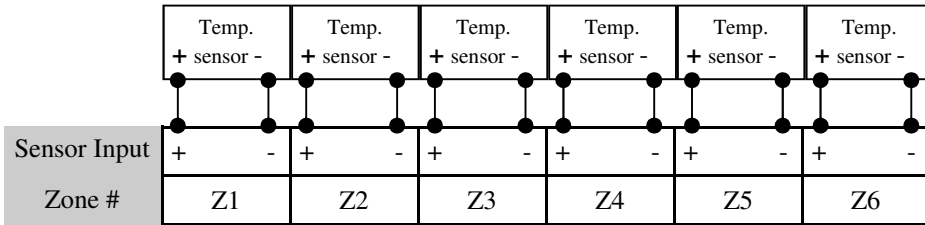
AMPLIFIER CARD NOTES:

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

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

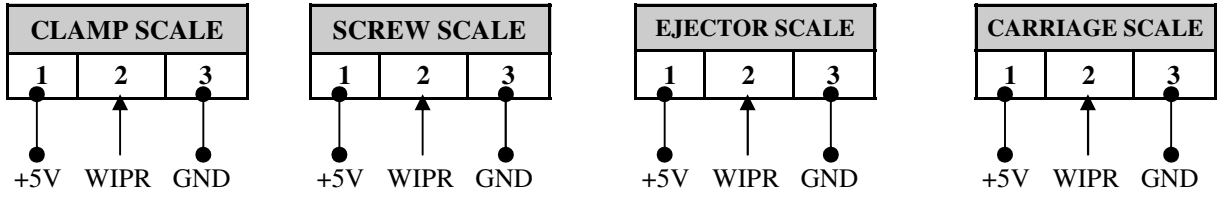
ANY ABOVE CURRENT REQUIREMENTS>1.6A, REPLACE 20E RESISTORS

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

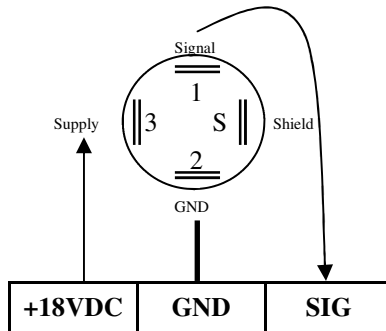


*Temperature Sensor(Isolated)= J/K-type Thermocouple / Pt-100 RTD*

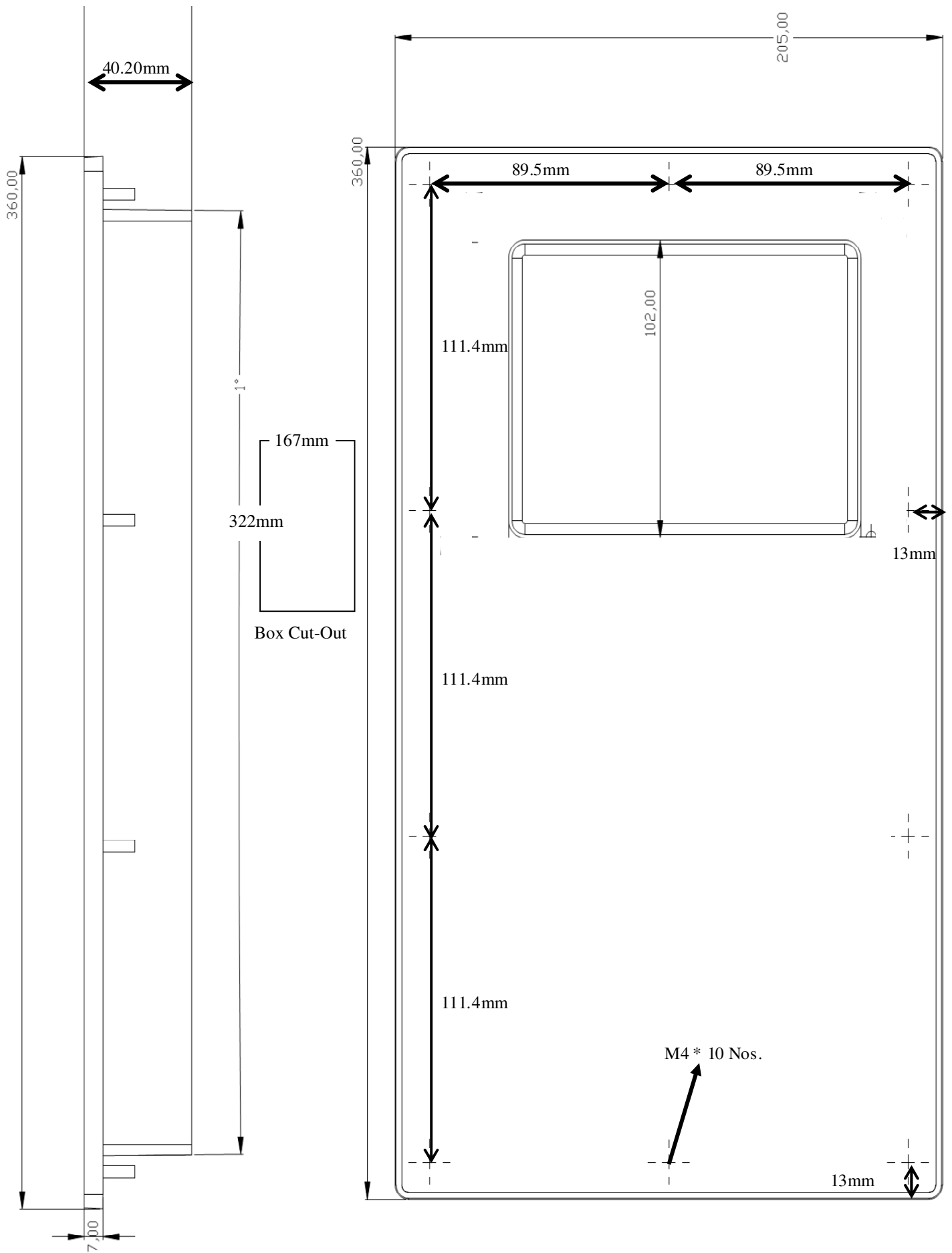
**Temperature Sensor Wiring Schematic**



**Linear Potentiometers/Scales Wiring Schematic**



**Pressure Transducer Input Wiring Schematic**



**SS57 Frame Mounting Dimensions**