

Transmission Safety Smart Control Panel



- Operating voltage 12, 24 volts.
- Up to 11 coil drivers (Such as pneumatic valves bobbin, Fans, Lamps)
- Up to 3 digital RPM sensor inputs
- Up to 5 universal analog input in range [8 – 40 volts] such as transmission oil-level, Engine-temperature, transmission-temperature sensors.
- F4-Series ARM based VLNoise, high reliability processor
- 4 inch full-color graphic LCD

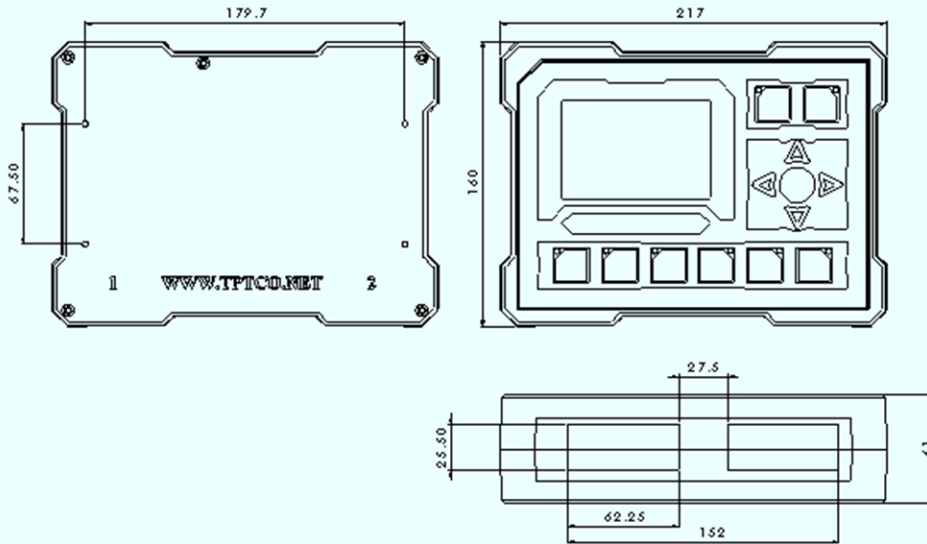
This panel could successfully, passed EMC-ESD & LVD tests Ingress Protection: IP68

- Capability to add new algorithm to control new devices up to 100 Type different transmission such as: Split Shaft PTO, Sandwich PTO, Clutch System Transfer Case & Increaser/ Reducer transmission.
 - User friendly setup for selecting device, defining active function buttons (F1-F6), gear ratio, ...
 - Available states for F1-F6 are:
 - ❖ Differential Mode
 - ❖ Natural Mode
 - ❖ Pump 1 Mode
 - ❖ Pump 2 Mode
 - ❖ Pump 1 - Pump 2 mode
 - ❖ Differential - Pump 1 mode
 - ❖ Differential - Pump 2 mode
 - ❖ Differential - Pump 1 - Pump 2 mode
 - ❖ Lamp 1-2-3-4 (Undefined buttons on transmission shifting process can be select for Lamps)
 - Intelligent algorithm to avoid of dangerous operation
 - Using of 3 independent switching regulators (Back Light, Coil Drivers & Sensors Power Supply, Processor Power Supply) to achieve maximum in-out isolation and maximum power gain
 - Membrane Switch with backlight and LED indicator keyboard
- Plastic Box properties and material:
- ❖ Material: Ultramid injection-molding grades with flame retardants (PA66)
 - ❖ The most important properties of Ultramid:
 - High strength and rigidity - Very good impact strength - Outstanding resistance to chemicals - Low tendency to creep - Dimensional Stability - Simple processing



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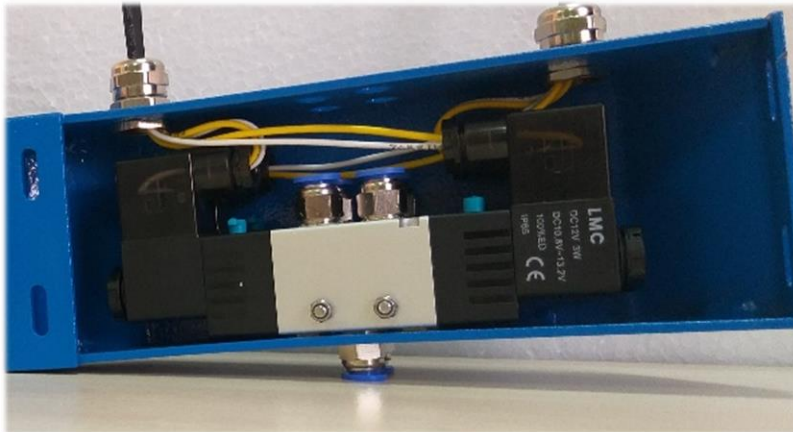
Dimensions in mm:



Test Process:



Components



One set valve box:

2 Pcs pneumatic valve-200 Series Double Solenoid Valve
1/4NPT. N4V220-08-24VDC or 12 VDC with Aluminum bracket



One set RPM box:

(1 Pcs RPM Sensor with Aluminum bracket)



2 Pcs, 15 Pin Connectors

**Additional features According
to customer request**

❖ Transmission Oil level Sensor.



❖ Transmission temperature sensor.



- ❖ Ability to Save data Max. 2 years.**
- ❖ Special Software for reading saved data.**
- ❖ Ability to connect to PC.**