SMART – CTIS (Central Tire Inflation System)

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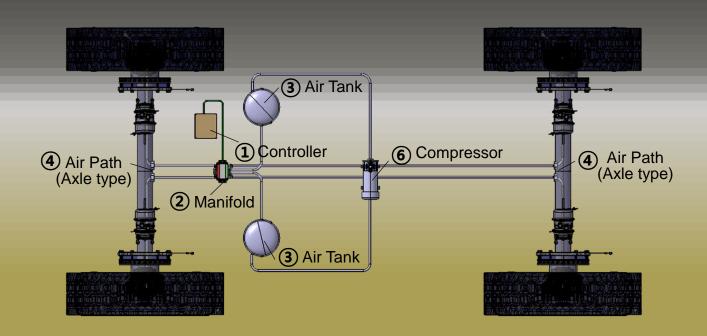


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CTIS (Central Tire Inflation System)

Tire pressure control wheel by wheel on the move which optimize tire pressure by sensing vehicle speed, terrain and load.

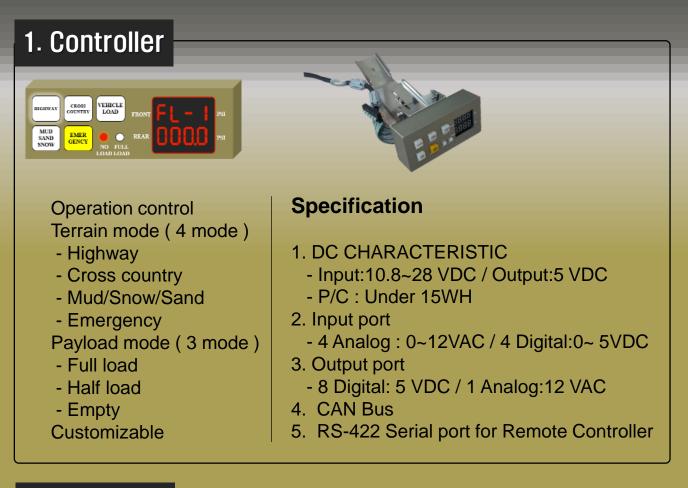


Feature

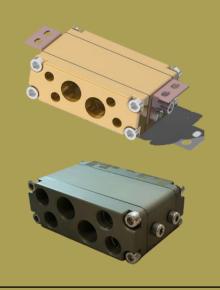
- Full automatic / Manual selection Operation
- Control air pressure in and out wheel by wheel
- Simultaneous inflation and deflation wheel by wheel
 Front / Rear / Left / Right
- Adaptive Air Hub applicable to all vehicles
- 4 modes of terrain
 - Highway, Cross country, Mud/Sand/Snow, Emergency
- 3 modes of Load
 - Full / Half / Empty
- Black out
- Overspeed warning (CAN Bus)
- Punctured and leaking tire warning
- Isolate flat tires individually
- Maximum supply pressure : 200 PSI
- Pre-set pressures for road and field operation
- Customized functions

CTIS components

All components are patented and provide high performance to optimize tire pressure in real-time wheel by wheel.



2. Manifold



Control air in and out Seperate structure for in and out from wheels Independent air path to each wheels Customizable

Specification

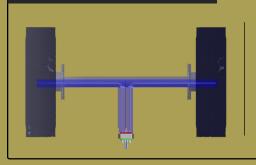
- 1. Allowable Pressure : 57 Kg/cm²
- 2. 2 Bank type electronic manifold
- 3. 5 Input 1 output / 1 input 5 output
- 4. Embed electronic valve&pressure sensor

3. Double Air Tank



High (1.5 times) Pressurized air tank Max pressure : 25Kg/cm² 1 Input / 4 Output Port

4. Adaptive Hub



Applicable to all vehicle without CTIS hub Simple adaptive air path hub to wheels Rotating seal inside the axle No external exposure No axle oil contamination

5. Real-time Sensor



Real-time stability control Applicable function by customer's needs Dual output (Analog + Digital) Customizable

6. Compressor



200 psi max pressure Weight 20 lbs / 9Kg Size H172xW106xL276 6 CFM @ 0psi / 2.6 CFM @ 100psi 82 amps draw @ 100 psi