

DSF TECHNOLOGIES offers a wide range of engine control products, as well as numerous electromechanical components specific to vehicles: pedals, inclinometers, joystick, on-board video...

We work in collaboration with the most important French manufacturers of industrial vehicles (construction, agricultural machines, handling...).

A technical team trained to the specific requirements of this market is at your service to bring you its know-how and the solution adapted to your needs. Indeed, we are able to carry out mechanical modifications (fixing support) or a personalized parameter setting of our products.



### Pedale

Ideal for off-highway applications, our pedals are robust and reliable. We can adapt our solutions to your projects thanks to the different configurations:



- Suspended, floor, recessed or bidirectional pedal
- Angle from 30° to 45° for planed versions
- Analog signal (0-5V), PWM, CAN Open, CAN J1939
- Optional kick-down

### Hand throttle

The hand throttle is used in control panels and armrests for speed adjustment or proportional setpoint. We offer a whole range with different ergonomics to meet your expectations.



- Contactless technology or Hall effect
- Single or double analog signal 0-5V or 4-20mA, PWM, CAN Open, CAN J1939
- Design: lever or rotary knob

### Joystick

Our wide range of industrial joysticks allows us to offer you personalized products. Our joysticks are designed for harsh industrial vehicle environments.



- Right, left or neutral hand position
- Movement on 1 X or Y axis, on 2 cross or multidirectional axes
- Analog signal (0-5V), PWM, CAN Open, CAN J1939
- Redundant output
- Push button, knurl, trigger, presence detector

## Fingertip and knurl

Due to their compact design, our fingertips and wheels fit perfectly into the dashboards of agricultural and construction machinery.



- Analog or PWM signal
- Customizable colors and symbols
- Actuation with or without maintenance

## Keyboard

The keyboards we offer are robust and compact. They allow you to easily centralize all your commands requiring a push button.



- 4 available formats: 2x4, 4x2, 4x3 and 3x5 buttons
- LED indicators and customizable symbols
- Communication via CAN Open, CAN J1939 or Modbus

## Pneumatic and hydraulic control



- Pneumatic:
  - > pedal,
  - > cylinder,
  - > modulator,
  - > control valve.
- Hydraulic:
  - > floor or recessed pedal,
  - > cylinder.