

## PEDAL P09

# Simplicity

By reducing the number of components, Caldaro has managed not only to simplify the design of this pedal, but also to give it more precision, better ergonomics and resistance to challenging environments. This ensures a longer lifetime, improved reliability, and higher end-user value.

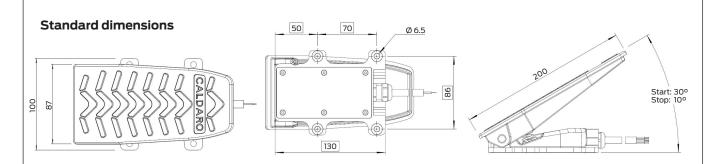
#### Compact, tough, precision

- Few components, less problems Our team fundamentally readdressed pedal design. The result is a better product with a reduced component count for improved reliability and electronics are protected by placement inside the casted pedal house.
- Low pivot point Our pedal improves both ergonomics and control precision. Comfort is assured as an operator may rest his heel on the floor or floorboard.
- **Compact design** The compact and rational design with its casted plate and slimmed housing might fool you, but the PO9 pedal contains hi tech that will fit in the most complexed machines.
- Withstands tough conditions The electronics are coated and sealed. The surface of the pedal body and plate is both anodised and powder-coated. This pedal will withstand virtually all chemicals and offers extreme wear resistance.

#### It's time for a modern pedal

This pedal represents a radical new way of designing a pedal – attractive and made in Sweden!

The standard PO9 start angle is 30°. Other angles, as well as customised logotypes on the pedal plate are available upon request.



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### Specifications

#### Mechanical and electrical specifications

Start angle

Max. Static load

Life expectancy Sensor type Total current consumption Independent linearity tolerance Applied voltage Load resistance Effective output

Standard 30° Other angle possible on request 1500 N to treadle at 180 mm from pivot point Min. 5,000,000 operations Hall effect 17 mA- 22 mA  $\pm$ 1,5% FS (FS=24°) 5 VDC  $\pm$ 10% 4,7 k $\Omega$  - 100 k $\Omega$  pull down Standard 10% - 90% Vin, other ratios on request Essentially infinite

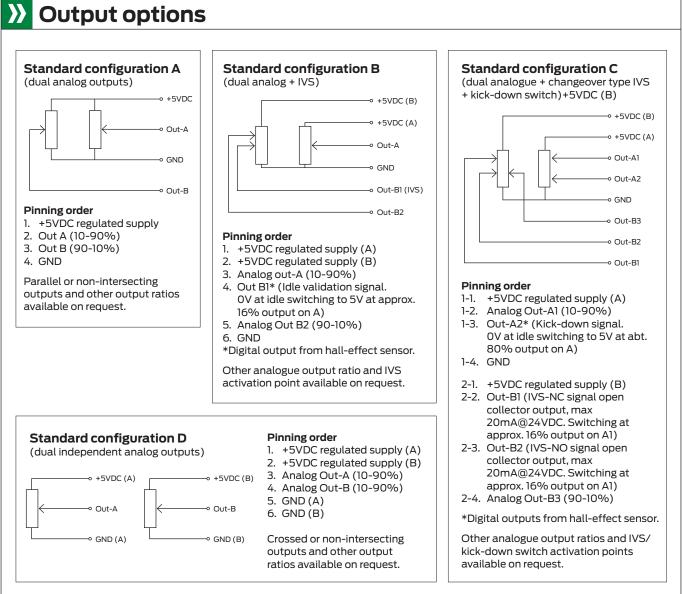
#### **Environmental specifications**

Thermal shock Exposure at low temp. Exposure at high temp. Operating temp. range EMC

ESD

100 cycles -40° C ~ +85° C 24 hours at -40° C 1000 hours at +85° C -40° C ~ +85° C 100 V/m According to ISO 11452 ±8 kV contact discharge ±15 kV air discharge According to ISO 10605

Resolution



**Cable/ harnessing:** Standard 0.5m PUR insulated cable, flying leads. 6 cores size awg 20. With connector Deutsch DTM or DT 4/6-way (male) as option, other types available on request.

