

# 1260 and 1262 Electronic throttle pedal

## Electronic throttle pedal

Aluminium throttle pedal floor or wall mountable. This series of pedals is intended for any kind of vehicles.

A triple torsion spring is incorporated for idle position return.

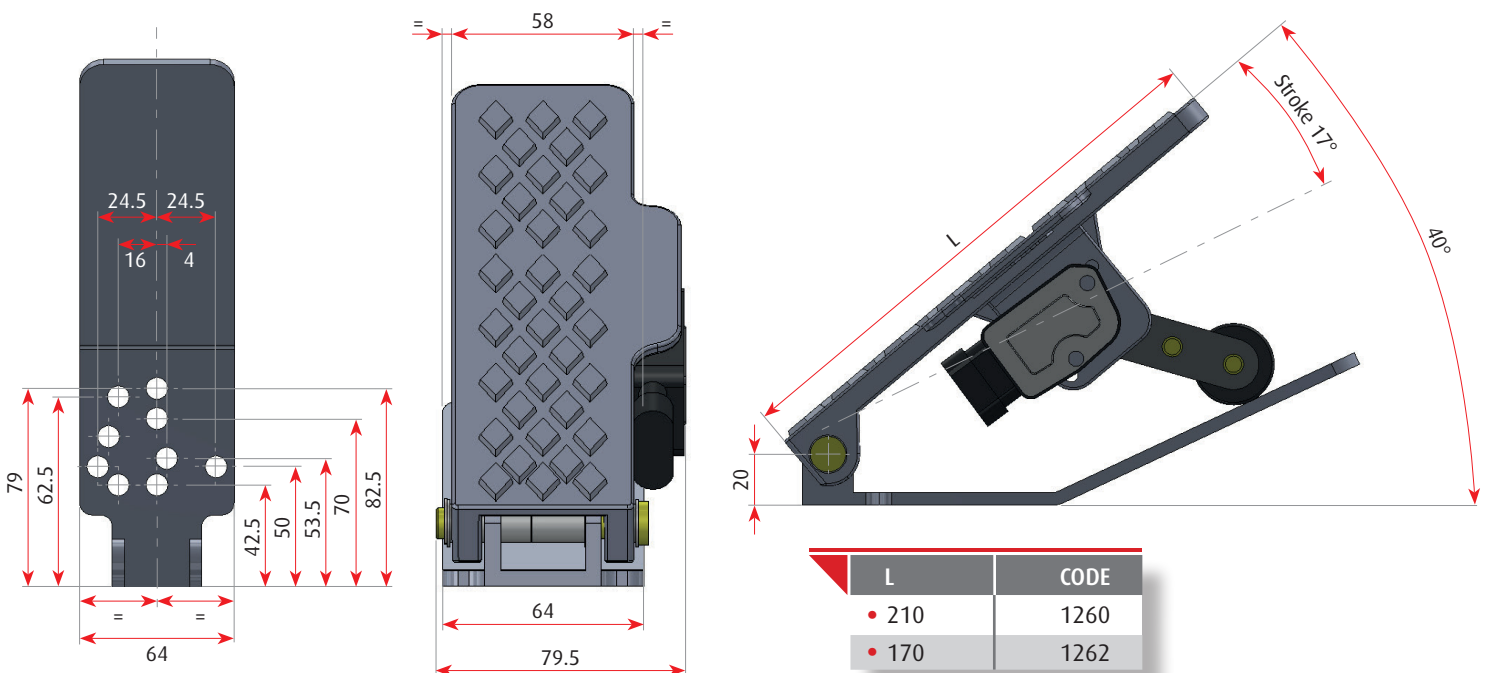
The frame of this series of pedals is made of aluminum; paddle of 1260 is in aluminum and paddle of 1626 is in plastic. They can be either floor or wall mounted. The electronic circuit is fully protected against water and any kind of contaminants. Thanks to its particular enclosure, a high IP is guaranteed and environmental contamination is minimized.

Measuring position is through Hall effect sensor with one or two channels. It is available with any kind of electrical interface: 1 or 2 voltage channels, with or without idle validation switch, PWM, current, CANBus.

Upon request, they can be configured with the desired electrical cable length, number of poles, type of connector.



### PHYSICAL DIMENSIONS AND MOUNTING INSTRUCTIONS

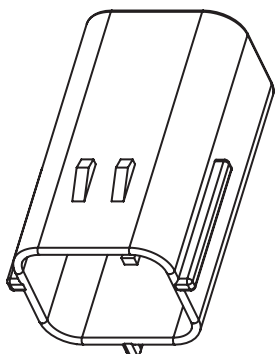


## MECHANICAL SPECIFICATION

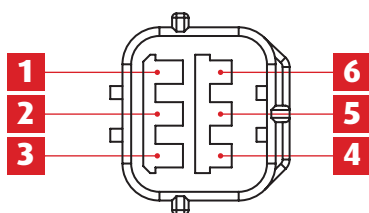
• Operational life (at 25 °C)	5 million cycles
• Operating temperature	-40 .. + 80 °C
• Storing temperature	-40 .. +110 °C
• Weight	1.20 kg
• Return spring	Double safety spring
• Spring torque at idle	2.5 Nm
• Spring torque at WOT	4.5 Nm
• Hysteresis	0.15% on read value
• Travel angle	17 degrees

ELECTRICAL SPECIFICATION  
(VERSION WITH VOLTAGE SIGNALS)

• Sensor	Hall effect
• Power supply	5 Vdc ±10% ratio metric
• Electrical signal	Galvanically insulated
• Resolution and update rate	10 bit, update rate 0.1 ms
• Correlation in case of 2 signals	better than 1% in the whole pedal range
• Current consumption	<10 mA (per each channel)
• Minimum load resistance	4.7 kΩ
• Maximum load capacitance	10 nF



Front view (contacts side)



## PINOUT WITH STANDARD CONNECTOR (TYCO ECONOSEAL J 6 VIEWS)

PIN	CH.1 = VOLTAGE SIGNAL CH.2 = VOLTAGE SIGNAL		CH.1 = VOLTAGE SIGNAL CH.2 = IVS	
	DESCRIPTION	COLOR	DESCRIPTION	COLOR
• 1	GND	Black	GND	Black
• 2	Ch.1 - Signal	Brown	Ch.1 - Signal	Brown
• 3	Ch.1 - Supply	Red	Ch.1 - Supply	Red
• 4	Ch.2 - Supply	Green	IVS - COM	Blue
• 5	Ch.2 - Signal	Blue	IVS - NO	Green
• 6	GND	Yellow	IVS - NC	Yellow

## APPLICATION EXAMPLE:

## PEDAL 1260 WITH 2 VOLTAGE OUTPUT

Here below are reported typical standard configurations of foot pedals with 1 channel, 2 channels voltage output and 1 channel voltage + 1 Idle Validation Switch. Electrical cable standard length is 0.5 meter but any other length can be defined when ordering. Factory standard connector is AMP 6 poles but any other connector can be defined when ordering.

INTERFACE CONFIGURATION	CODE	SIGNAL OUTPUT
• 1 channel	1260.01.00	CH1 = voltage signal
• 2 channels	1260.02.00	CH1 = voltage signal; CH2 = voltage signal
• 1 channel + 1 idle validation switch	1260.03.00	CH1 = voltage signal; CH2 = IVS
• 1 channel	1262.01.00	CH1 = voltage signal
• 2 channels	1262.02.00	CH1 = voltage signal; CH2 = voltage signal
• 1 channel + 1 idle validation switch	1262.03.00	CH1 = voltage signal; CH2 = IVS

For the complete of the signal, please refer to ECU interfaces section.

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