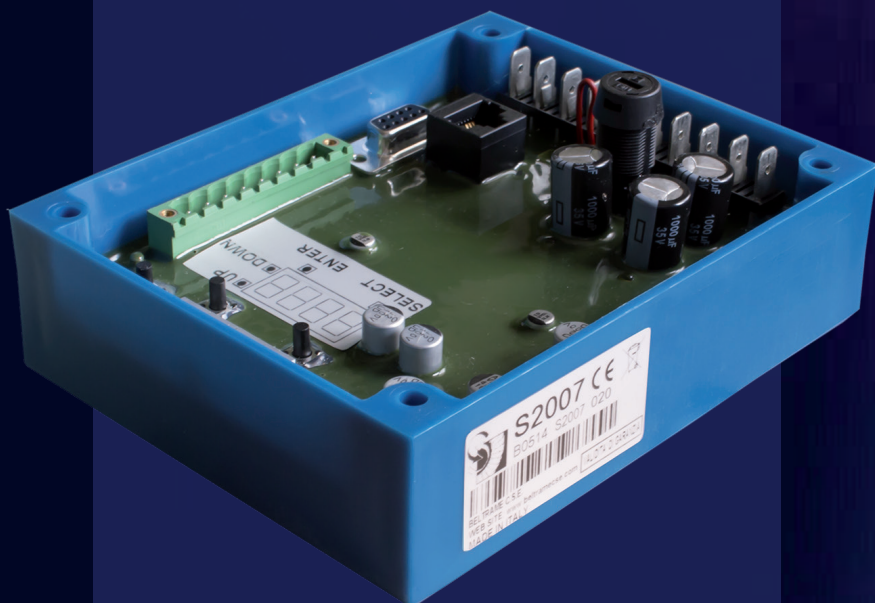# SPEED CONTROLLER

S 2007

Having more than thirty-year experience in the regulators industry field, BELTRAME C.S.E. has developed a new regulator model which enables an optimal RPMs control on small, medium or large diesel or gas engines. A FULLY DIGITAL regulation is enabled by the microprocessor calculation power, which besides high reliability and process repeatability, it ensures quick and easily change of configuration values thus rendering the system suitable to all conditions. This devise is easy to install and is compatibe with the wide range of new and existing products.

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S 2007

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CHARACTERISTICS

S2007 is designed to control the engine speed ensuring a fast and precise performance even during transient load. The regulator is placed inside a plastic container and submerged in resin thus ensuring maximum resistance against engine vibrations and a reliability over time. The regulator is equipped with a display where parameters can be easly seen. The buttons placed on the side and below the display allow to scroll the parameters menu and set the ones required.

CONNECTORS DESCRIPTION

CN3
1.   - Actuator
2.   + Actuator
3.   - Battery (COM=GND)
4.   + Battery (12÷24Vdc)
5.   Auxiliary output (Solenoid valve)
6.   PICK-UP +
7.   PICK-UP -
8.   UP (COM=GND)
9.   DOWN (COM=GND)
10.   IDLE (COM=GND)

CN2
1.   CAN-BUS

CN4
1.   RS 232

CN5
1.   Digital input (COM=GND)
2.   Digital input (COM=GND)
3.   GND
4.   Analogue input 0÷10V
5.   Available power +10V (20mA)
6.   Analogue input 4÷20mA
7.   Analogue input -5÷5V
8.   GND/COM

PIC. 1: Operating diagram for speed controller type S2007.