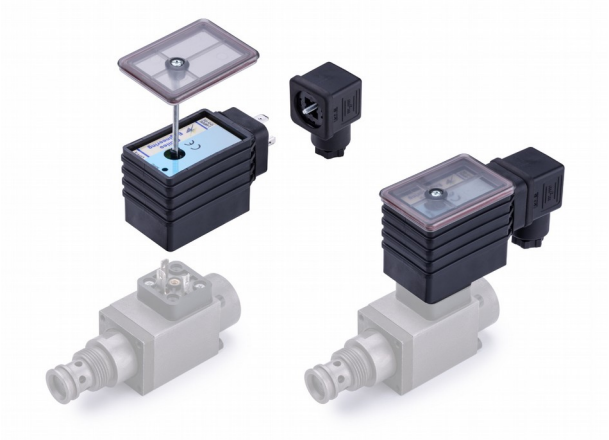
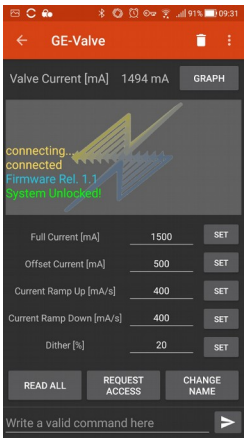
Galileo Engineering

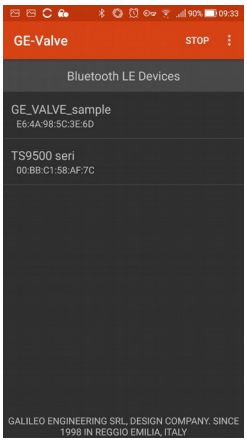
CVP-BT

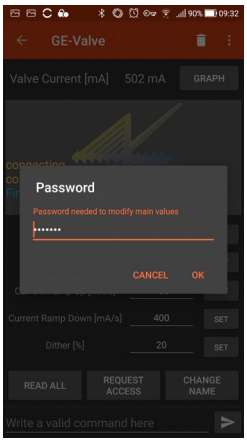
Proportional electrovalve controller with Bluetooth interface



CVP-BT is an electronic, miniaturized proportional PID controller with DIN 43650 – ISO 4400 connector, for open loop driving of proportional electric valves.
It is controlled by a latest generation microprocessor and comes with a 2.4GHz Bluetooth interface, through which all the control parameters can be remotely set and adjusted.
The Android app can set the high and low operating current values, the slope of the ramp up and down phases, the dither amplitude, and select the range of the input control signal.
The customer can interact remotely and selectively with each CVP-BT found within the Bluetooth range, to visualize the value of the current on a real time graph as well as to monitor the operating parameters. Access to CVP-BT control for setup and adjustment is protected by a personalized password.
Firmware can be easily upgraded via Bluetooth







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Characteristics

- Proportional electrovalve controller, configurable with Android application
- Electrovalve coil current real-time reading via the app.
- Password protected operation
- Adjustable parameters:
  - offset, range 0-1000mA
  - maximum current, range 0-2600mA
  - up and down ramps, 40A/sec-10mA/sec
  - dither, 0-20% of the nominal coil current (fixed frequency 125Hz)
  - input reference signal (Vi), switchable between
    a) Vi=0…10V
    b) Vi=0…5V
    c) Vi=5…0V (5→ minimum current value, 0V → maximum current value)
    d) Vi=5…10V (5→ minimum current value, 10V → maximum current value)
  - Double coil electrovalve control is possible with two CVP-BT units
  - “Zero offset” mode: a zero reference input signal forces the offset current to zero
- Four status LED: Power, Bluetooth ON/OFF, working state, alarm
- Operating range 12-30V
- Operating current 35mA
- Stability across operating temperature range3%
- Operating temperature range -20/+70°C
- IP65
- Firmware upgrades via Bluetooth

Dimensions