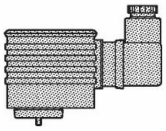
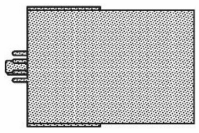
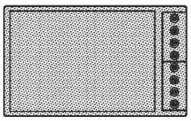
Electronic Controller.

The proportional solenoid valves must be piloted only from an electronic card. Are available a normalized standard series of electonics components, on request are available also personalized complete systems.

Type	Code	Voltage (Volt)	Functions	Technical schedule
VPC 	**VPC–12–DIN**	12	Connector DIN 43650 Minimum current set Maximum current set Rise ramp set Fall ramp set Dither External potentiometer	10.250
	VPC–24–DIN	24		
FPO 	**FPO–OCTAL**	11 – 33	Minimum current set Maximum current set Rise ramp set Fall ramp set External potentiometer	10.258
	FPO–UNDECAL			10.259
FRP 	**FRP/01**	11 – 33	Box DIN EN 50022 Minimum current set Maximum current set Rise ramp set Fall ramp set Dither External potentiometer	10.270
	FRP/02			10.272
	FRP2			10.280

10

10_004

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FLUCOM ITALY

ELECTRONIC REGULATION FOR PROPORTIONAL SOLENOID

DIN 43650 / ISO 4400

VPC

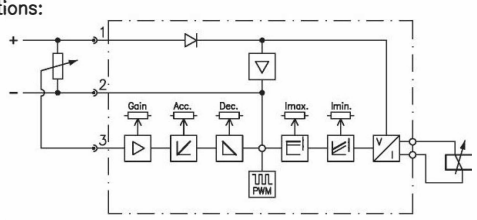
10.250

01.10

Technical data

The VPC connector series are electronical regulators for proportional solenoids control operating in open lap regulating system.
The electronical circuit is directly incorporated into connector which has to be fixed on solenoid in order to forme a compact group easy to be set.
The action is carred out after receiving an electrical reference signal externally set out through 5 Kohm potentiometer or other kind of generator.

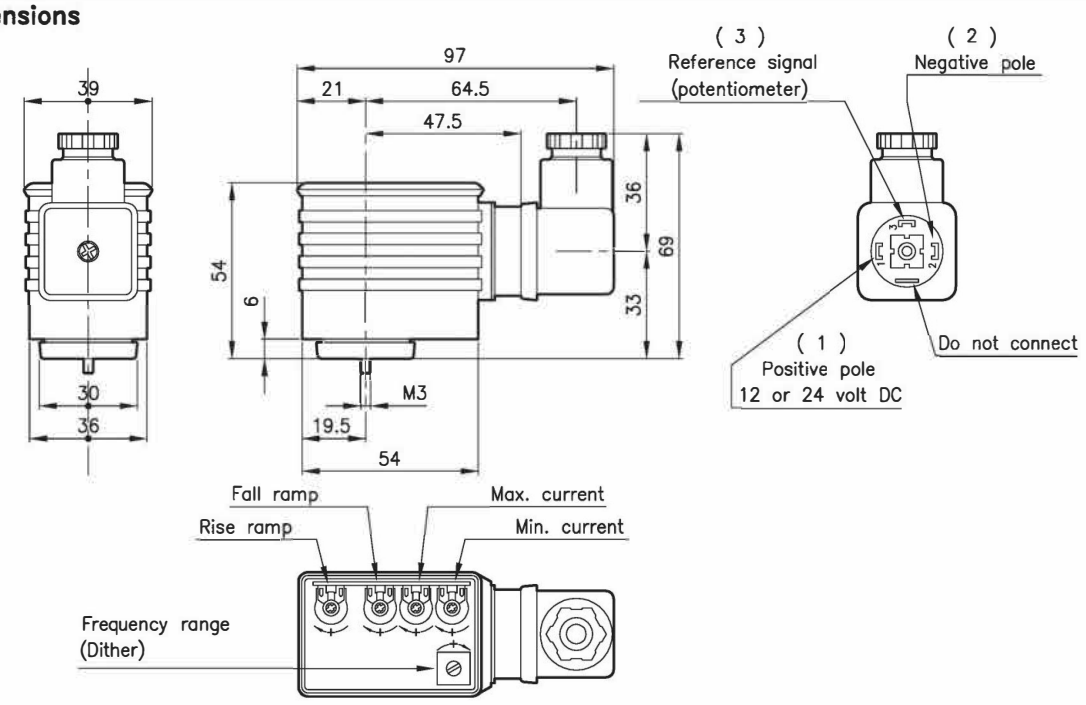
Connections:



Supply voltage (±10%)	Volt	24
		12
Reference signal	Volt	0–10 (24V)
		0–5 (12V)
Imput impedance	Kohm	100
Maximum regulated current	Ampere	0.2–1 (24V)
		0.4–2 (12V)
Minimum regulated current	Ampere	0–0.3 (24V)
		0–0.6 (12V)
Rise ramp adjustment	sec.	0 – 3
Fall ramp adjustment	sec.	0 – 3
Frequency range (dither)	Hz	* 50 – 400
Working room temperature	°C	–10 +50

* Frequency (dither) is pre–set at 120 Hz

Dimensions



Ordering informations

VPC–12/24–DIN

Type

Supply voltage

12/24 = 12–24 Volt DC

Connection DIN 43650

Codes:

VPC–12/24–DIN 90 538 106

10_250

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FLUCOM ITALY

ELECTRONIC REGULATION FOR PROPORTIONAL SOLENOID

OCTAL

FPO

10.258

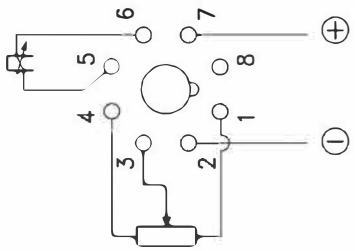
01.10

Technical data

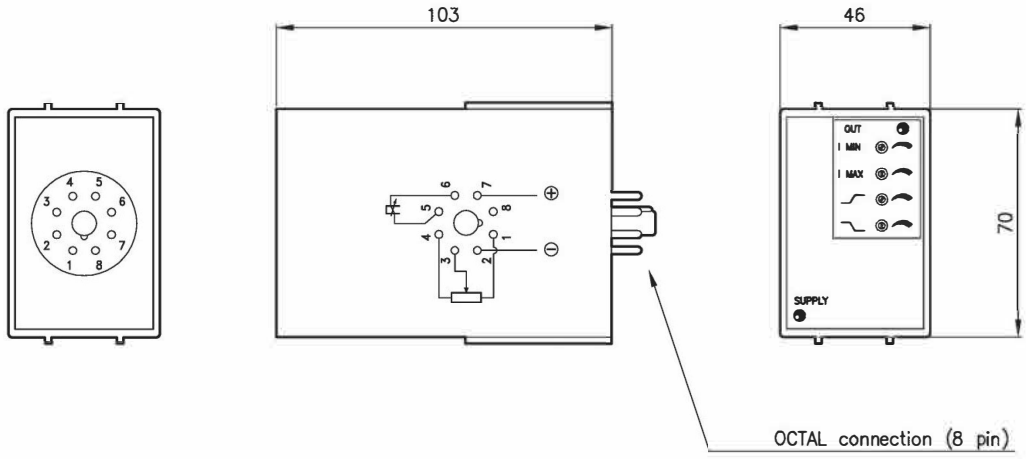
The FPO controller series are electronical regulators for proportional solenoids control operating in open lap regulating system.
The electronical circuit is directly incorporated into the box which has to be fixed on a OCTAL connector to forme a compact group easy to be set.
The action is carred out after receiving an electrical reference signal externally set out through 2..10 Kohm potentiometer or other kind of generator.

Supply voltage	Volt	11 – 33
Reference signal	Volt	0 .. +5
Maximum regulated current	Ampere	2.5
Supply for potentiometer	Volt	+5 (max. 10mA)
Rise ramp adjustment	sec.	0 – 10
Fall ramp adjustment	sec.	0 – 10
Frequency range (dither)	Hz	180 (±5Hz)
Working room temperature	°C	–10 .. +60

Connections:



Dimensions



Ordering informations

FPO–OCTAL

Type — FPO

OCTAL connection (8 pin) — OCTAL

Codes:

FPO–OCTAL	90 538 110
OCTAL connector	90 538 118

10_258

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FLUCOM ITALY

ELECTRONIC REGULATION FOR PROPORTIONAL SOLENOID

UNDECAL **FPO**

10.259

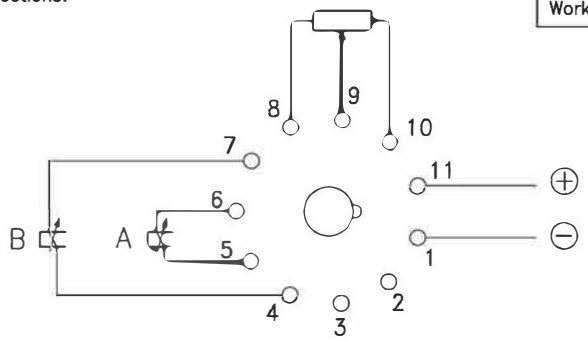
01.10

Technical data

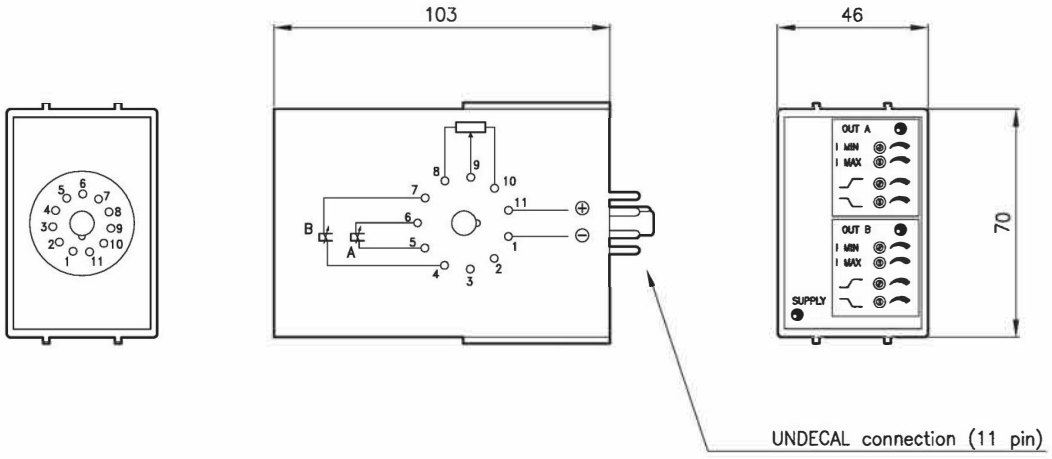
The FPO controller series are electronical regulators for proportional solenoids control operating in open lap regulating system.
The electronical circuit is directly incorporated into the box which has to be fixed on a UNDECAL connector to forme a compact group easy to be set.
The action is carred out after receiving an electrical reference signal externally set out through 2..10 Kohm potentiometer or other kind of generator.

Supply voltage	Volt	11 – 33
Reference signal	Volt	0 .. +5
Maximum regulated current	Ampere	2.5
Supply for potentiometer	Volt	+5 (max. 10mA) –5 (max. 5mA)
Rise ramp adjustment	sec.	0 – 10
Fall ramp adjustment	sec.	0 – 10
Frequency range (dither)	Hz	180 (±5Hz)
Working room temperature	°C	–10 .. +60

Connections:



Dimensions



Ordering informations

FPO–UNDECAL

Type

UNDECAL connection (11 pin)

Codes:

FPO–UNDECAL	90 538 117
UNDECAL connector	90 538 119

10_259

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FLUCOM ITALY

ELECTRONIC REGULATION FOR PROPORTIONAL SOLENOID

DIN EN 50022

FRP

10.270

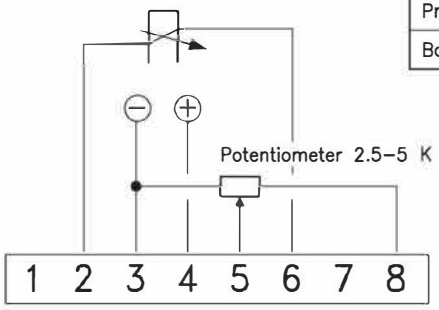
01.10

Technical data

The FRP module series are electronical regulators for proportional solenoid control operating in open lap regulating system. The whole electronical circuit is placed inside the compact box arranged to be easily fitted up in a guide DIN EN 50022. The action is carried out after receiving an electrical reference signal externally set out through potentiometer or other kind of generator.
The adjustments are placed in the upper side in order to allow setting modification without remove or open the box.

Supply voltage	Volt	11 – 33
Reference signal	Volt	+5 max
Imput impedance	Kohm	2..10
Maximum regulated current	Ampere	2.5
Supply for potentiometer	Volt	5 (Imax 10mA)
Rise ramp adjustment	sec.	0 – 5
Fall ramp adjustment	sec.	0 – 5
Frequency PWM (dither)	Hz	180 (±5Hz)
Working room temperature	°C	–10 +60
Protections: supply reversal		
Box in ABS for guide DIN EN 50022		

Connections:



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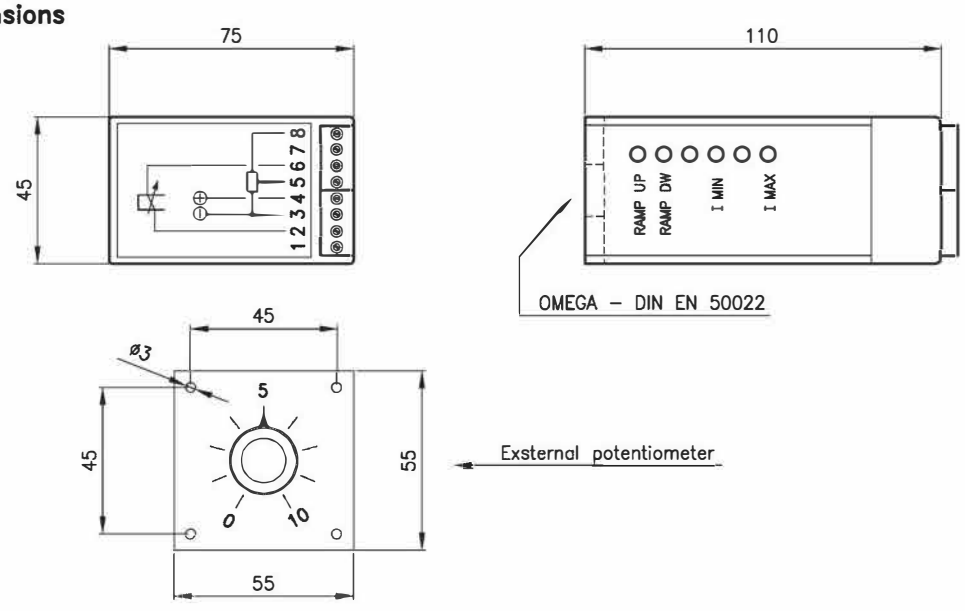

Ordering informations

FRP/01–N

Type

N = without potentiometer

P = with potentiometer

Codes:

FRP/01–N	90 538 114
FRP/01–P	90 538 115
Potentiometer x FRP	90 538 122

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FLUCOM ITALY

ELECTRONIC REGULATION FOR PROPORTIONAL SOLENOID

DIN EN 50022

FRP

10.272

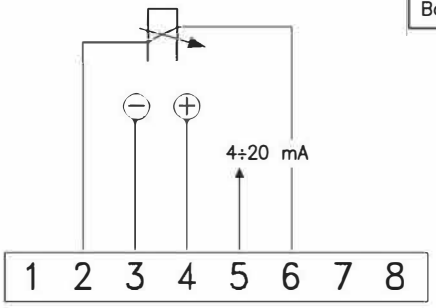
01.10

Technical data

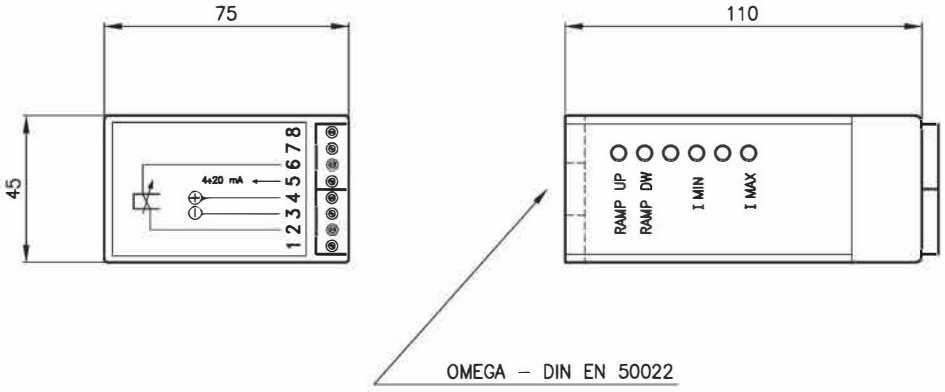
The FRP module series are electronical regulators for proportional solenoid control operating in open lap regulating system. The whole electronical circuit is placed inside the compact box arranged to be easily fitted up in a guide DIN EN 50022. The action is carried out after receiving an electrical reference signal externally set out through potentiometer or other kind of generator.
The adjustments are placed in the upper side in order to allow setting modification without remove or open the box.

Supply voltage	Volt	11 – 33
Reference signal	mA	4 ÷ 20
Imput impedance	ohm	250
Maximum regulated current	Ampere	2.5
Rise ramp adjustment	sec.	0 – 5
Fall ramp adjustment	sec.	0 – 5
Frequency PWM (dither)	Hz	180 (±5Hz)
Working room temperature	°C	–10 +60
Protections: supply reversal		
Box in ABS for guide DIN EN 50022		

Connections:



Dimensions



Ordering informations

FRP/02

Type

Codes:

FRP/02	90 538 116

10_272

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FLUCOM ITALY

ELECTRONIC REGULATION FOR PROPORTIONAL SOLENOID

DIN EN 50022

FRP2

10.280

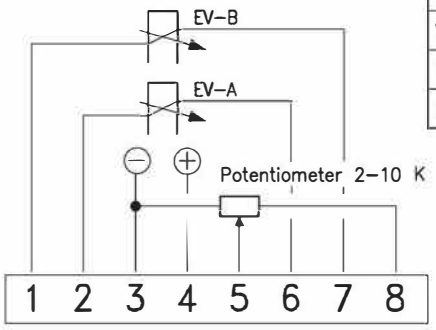
01.15

Technical data

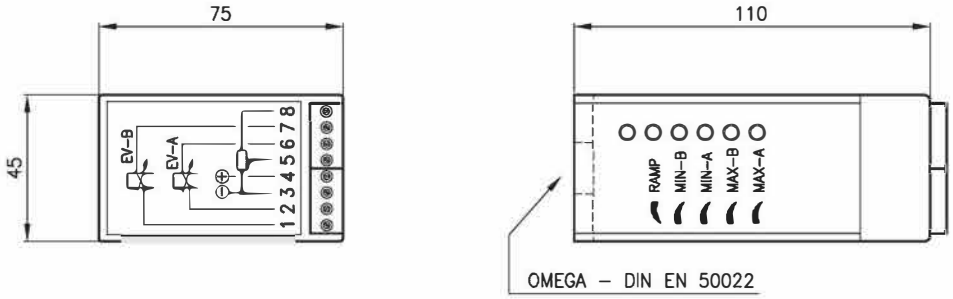
The FRP module series are electronical regulators for proportional solenoid control operating in open lap regulating system. The whole electronical circuit is placed inside the compact box arranged to be easily fitted up in a guide DIN EN 50022. The action is carried out after receiving an electrical reference signal externally set out through potentiometer or other kind of generator.
The adjustments are placed in the upper side in order to allow setting modification without remove or open the box.

Supply voltage	Volt	12 – 24
Reference signal EV–A	Volt	0 – +2.5 max
Reference signal EV–B	Volt	+2.5 – +5 max
Imput impedance	Kohm	2..10
Maximum regulated current	Ampere	2.5
Supply for potentiometer	Volt	5 (Imax 10mA)
Rise ramp adjustment	sec.	0 – 2.5
Fall ramp adjustment	sec.	0 – 2.5
Frequency PWM (dither)	Hz	110 (±5Hz)
Working room temperature	°C	–10 +60
Protections: supply reversal		
Box in ABS for guide DIN EN 50022		

Connections:



Dimensions



Ordering informations

FRP2/01–12/2.5V

Type

12 Volts

24 Volts

Codes:

FRP2/01–12/2.5V	90 538 124
FRP2/01–24/2.5V	90 538 125

10_280

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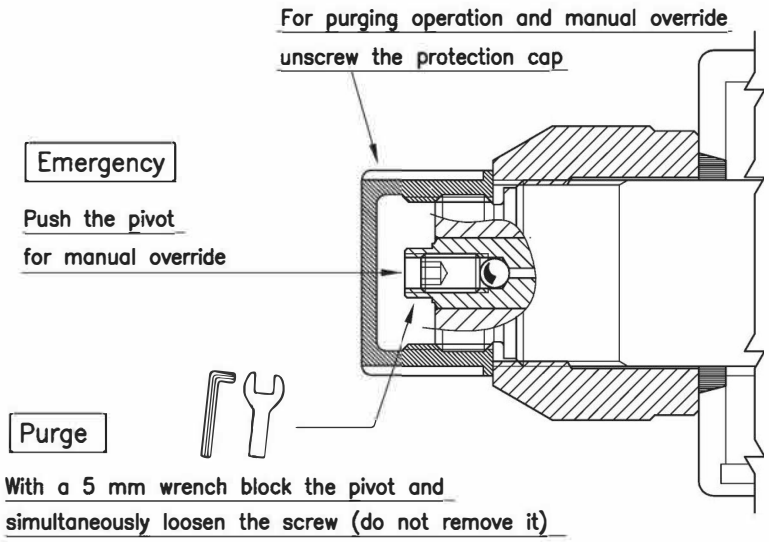
INSTRUCTIONS AIR VENT

For proportional valves measures 20–30–50–70

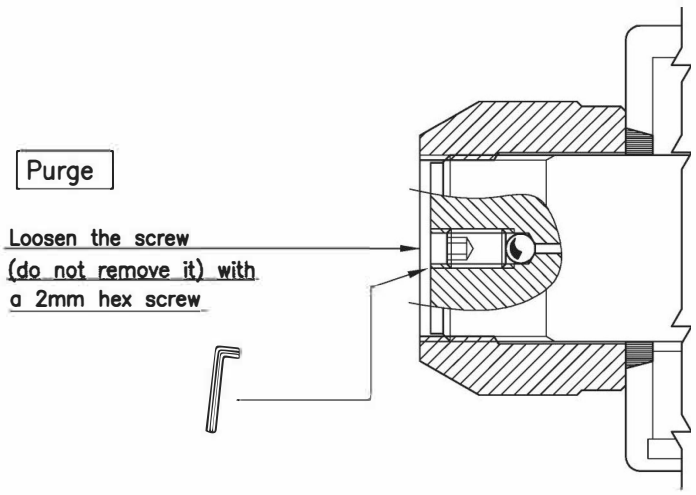
10.900

01.15

Proportional Valve with Emergency



Proportional Valve without Emergency



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