NEWTRONIC **Newdeal**
ELECTRONIC CONTROL REGULATOR
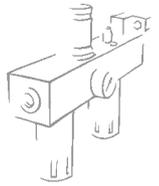
The Newtronic is an electronically-controlled pressure regulator equipped with an 8-bit microcontroller. The control signal can be analogic, digital via RS232 or digital from the keyboard. It is converted into a proportional pressure signal by means of high-rate solenoid valves. The regulator can be used alone within the indicated flow values, or in combination with a New deal 1"-3/4" pilot-assisted pressure regulator (power stage).
The advantages are:
• Integration with analogic or digital control systems (PC, PLC, etc.)
• Extremely fast response times
• Excellent repeatability and reliability
• Low power absorption
Skilltronic comes in two basic versions:
- Version A, with analogic control via the mains or RS232 serial line.
- Version D, with control via RS232 serial line or keyboard or mains, with display of the set and regulated pressures.

TECHNICAL DATA		NEWTRONIC A e D 3/4"-1"
Setting range	MPa	0.03÷0.7
	bar	0.3÷7
	psi	4÷100
Control pressure	MPa	0.1÷0.8
	bar	1÷8
	psi	15÷115
Temperature range	°C	-10°C÷+50°C
	°F	14°F÷122°F
Degree of protection		IP65
Weight	Kg	2.5
Fluid		20 µm filtered air, de-humidified and unlubricated.
Supply voltage	V	24VDC
Max. absorbed power	W	2
Control		0÷5V / 0÷10 V / RS 232
Flow rate at 6.3 bar (0.63 MPa, 91 psi)	Nl/min	12000
ΔP 0.5 bar (0.05 MPa, 7 psi)	scfm	426

COMPONENTS

① Connection for power supply and serial line
② 3-digit digital display
③ Led
④ Keys for equipment configuration and pressure setting.

NEWTRONIC A   NEWTRONIC D

DIMENSIONS


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1- TX RS232
2- RX RS232
3- IN 0-10 V  0-5V
4- OUT 10V
5- PRW 24V
6- OUT 0-7V
11- GND
12- ⏚
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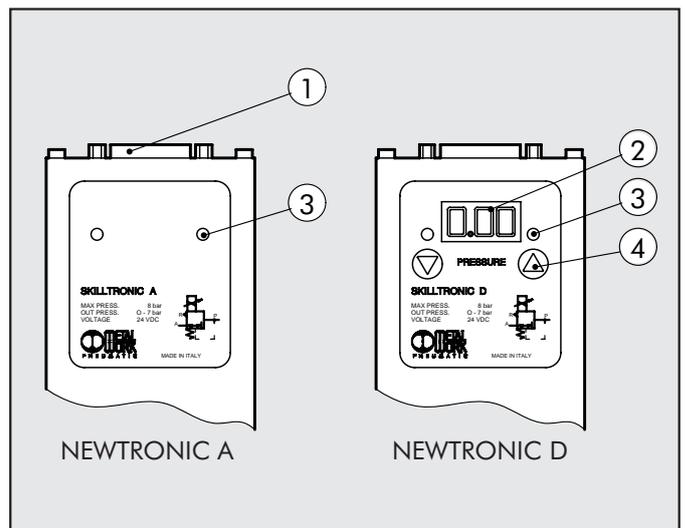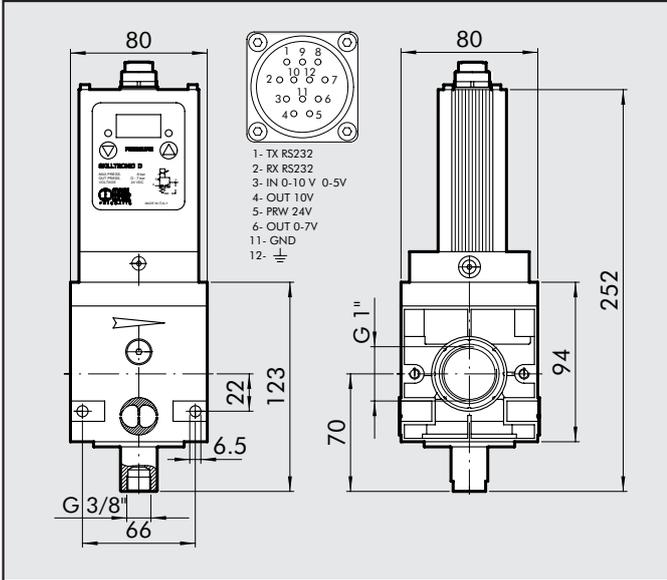
ORDERING CODES

Code	Description
1520001	NEWTRONIC 3/4 A
1520002	NEWTRONIC 3/4 D
1620001	NEWTRONIC 1 A
1620002	NEWTRONIC 1 D

ACCESSORIES

CONNECTOR IP65
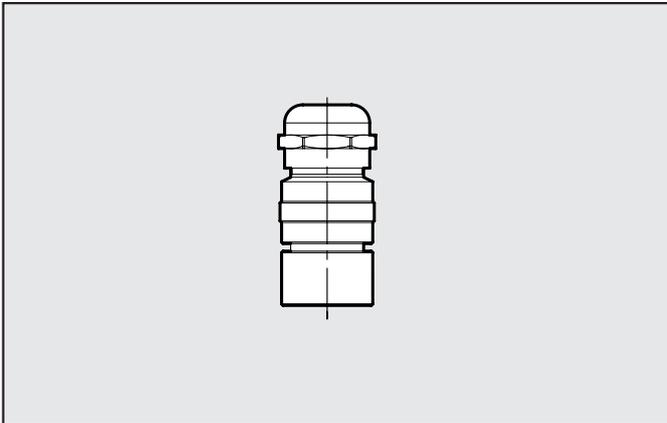
Code	Description
W0214100200	IP60 90°-angle technopolymer connector, not shielded
W0214100000	IP60 straight metal connector, shielded

The above items are available in the pre-wired version on request.

NOTES