

**FEATURES**

- Control device for **PWM** (pulse-width modulated) proportional solenoid valve control
- Designed for open-loop, closed-loop and **double-loop** (cascaded) control
- Suitable for the control of flow, pressure, temperature, force etc.
- Integrated display and LEDs
- Control parameters adjustable via software (DigiCom, USB interface)
- Auto-Adapt function/button for automatic adjustment of the CONTROL<sup>D</sup> control device to the control valve

A special feature of the CONTROL<sup>D</sup> is the "ASCO-DigiCom" software supplied for optimum adjustment over PC. Setpoint and feedback values can be viewed at the same time. Other functions are valve diagnostics, parameter setting and maintenance.

**GENERAL**

**Ambient temperature** -20°C to +50°C

**CONSTRUCTION**

**Body** PA (polyamide)  
**Degree of protection** IP20  
**Electrical connection** Pluggable terminal block (0,08 - 1,5 mm<sup>2</sup>)  
**Mounting** DIN-EN 50022 rail

**ELECTRICAL CHARACTERISTICS**

**Supply voltage** (U<sub>N</sub>) 24 V DC ±10 %, max. ripple 10 %  
 or 12 V DC +15 % -5 %, max. ripple 10 %

**Max. current of proportional solenoid valve** 2 A

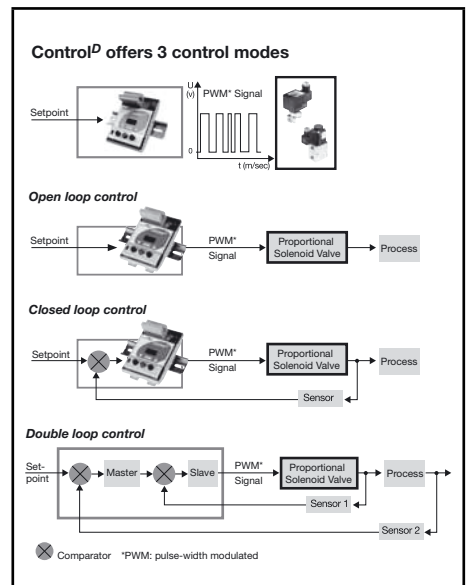
**Setpoint input** 0 - 10 V DC, 0 - 20 mA, 4 - 20 mA

**Sensor input** 0 - 10 V DC, 0 - 20 mA, 4 - 20 mA

**Feedback output** 0 - 10 V, 0 / 4 - 20 mA

**Ramp** ON/OFF  
 adjustable between 0,1 and 20 seconds

**Adjustable switching frequency** 20 to 2000 Hz



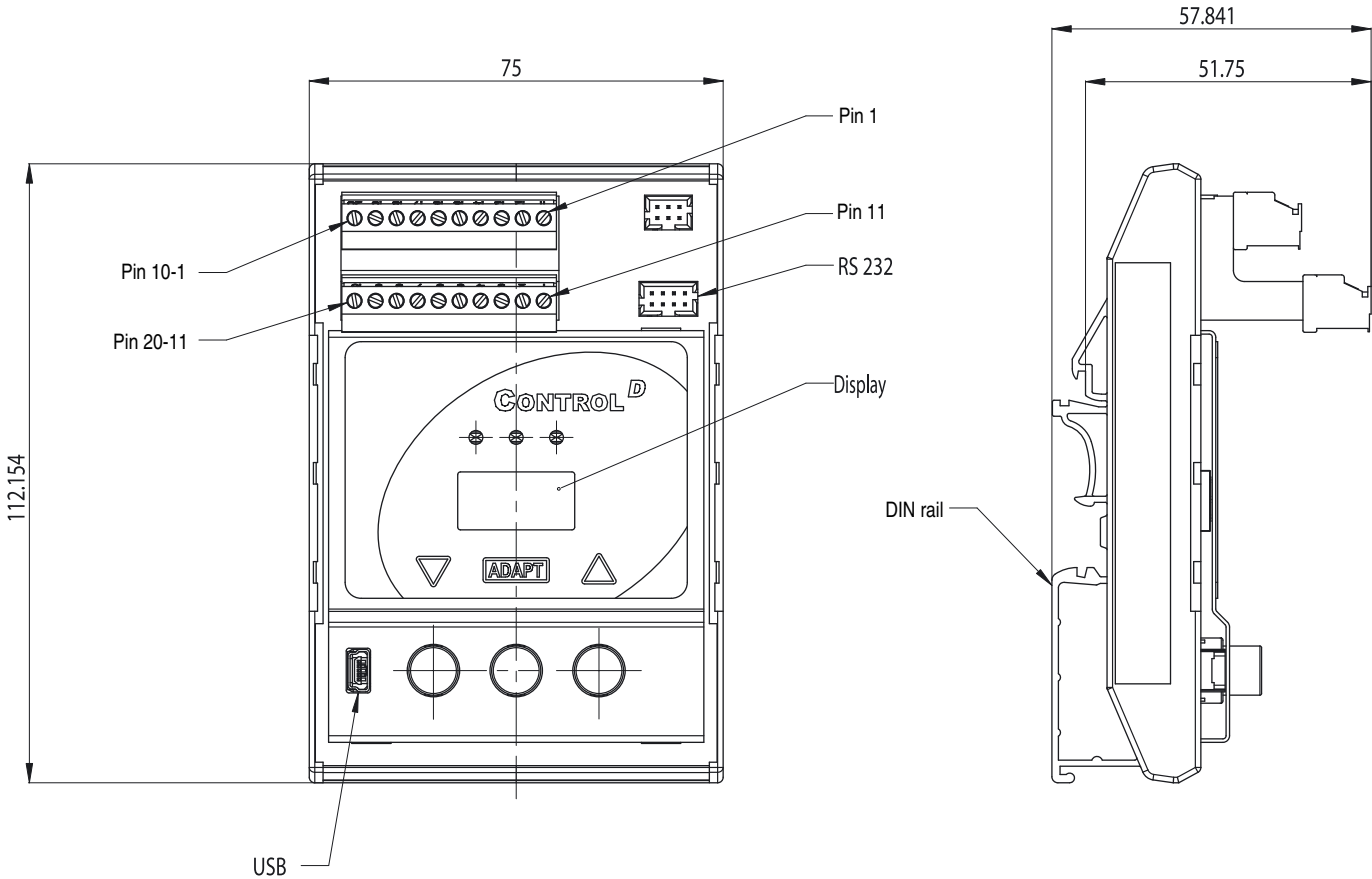
**SPECIFICATIONS**

description	catalogue number
CONTROL <sup>D</sup> control device - 12 V DC	60300117
CONTROL <sup>D</sup> control device - 24 V DC	60300118

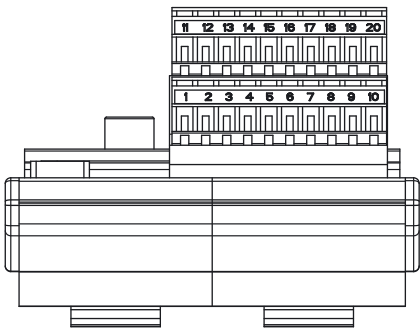
**PROPORTIONAL VALVES SUITABLE FOR CONTROL APPLICATIONS**

description	series	illustration	catalogue pages
3-port proportional valve for pressure control	602		see P300-7 in the "Pneumatic Components for Industrial Automation" catalogue
Posiflow proportional solenoid valves	202-203		See the "Solenoid and Pressure Operated Valves for Fluid Control" catalogue or the "Medical & Analytical" catalogue

**DIMENSIONS (mm), WEIGHT (kg)**  
 weight: 0,153 kg



**CONNECTOR PINNING**



pin	description	pin	description
1	V DC IN/ + supply	11	Setpoint
2	GND IN/ ground	12	GND setpoint
3	Protective earth PE	13	Digital input
4	Frequency input	14	GND Digital input
5	Sensor supply voltage +	15	Valve / coil connection
6	Analog input 1	16	GND valve
7	GND sensor supply voltage	17	Digital output
8	Sensor supply voltage +	18	GND Digital output
9	Analog input 2	19	GND Analog output
10	GND sensor supply voltage	20	Analog output

**ACCESSORIES**

description	catalogue number
"ASCO-DigiCom" CONTROL <sup>D</sup> software on CD-ROM (supplied with the controller)	<b>88100893</b>
USB cable for CONTROL <sup>D</sup> to PC connection (to be ordered separately)	<b>88100894</b>