UV2D Datasheet

UV2D is a microcontroller based hydraulic cabin controller with at rugged aluminum enclosure specifically designed for automotive vehicle control systems. UV2D is specifically suited as cabin controller for reading operator input data to the system.

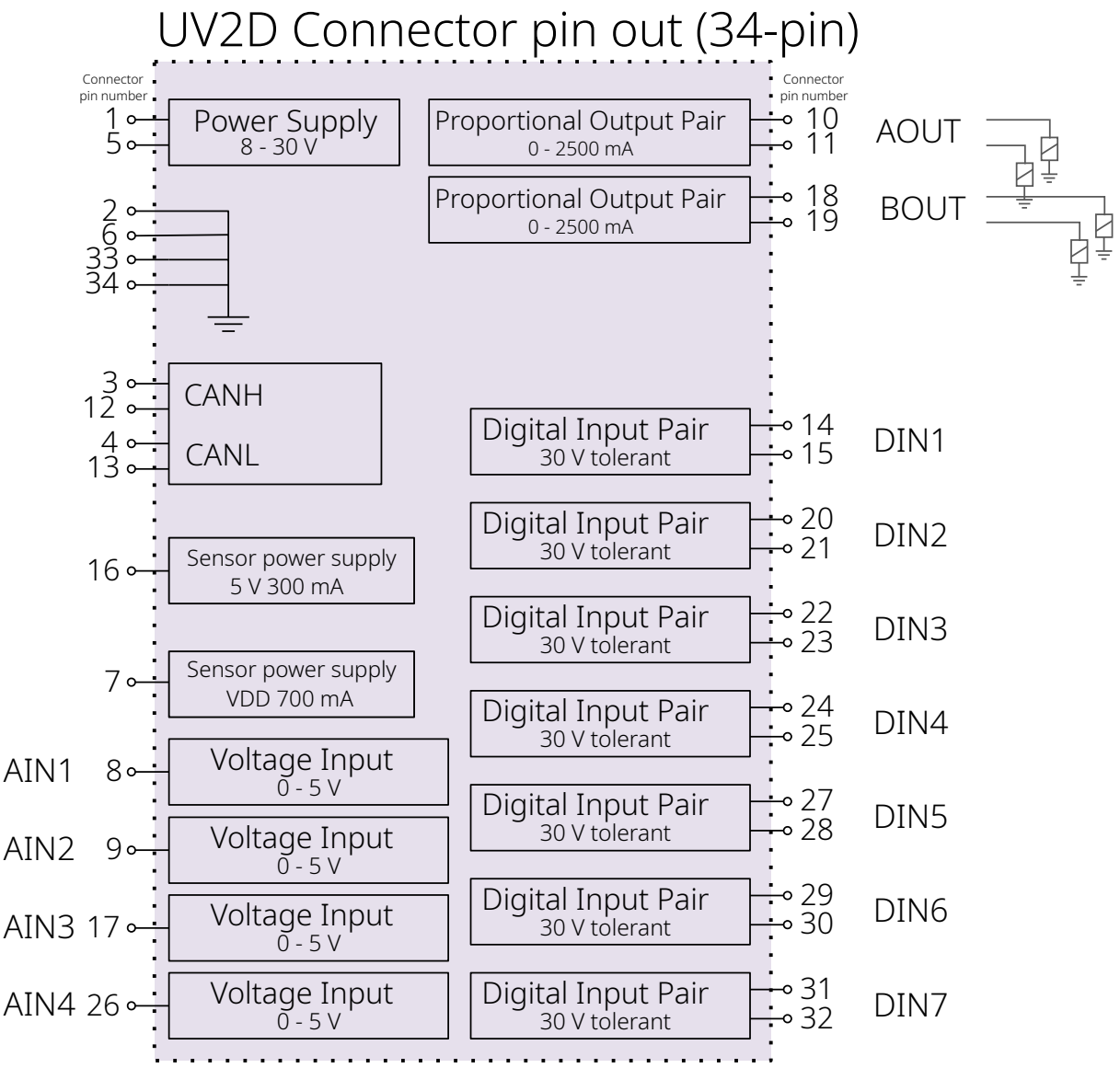
As all other Usevolt controllers, the UV2D can be configured via CAN-bus with UV0D touchscreen display.

- Storage temperature range -30 ... +80 °C
- CAN 2.0B interface
- Durable aluminum enclosure
- Designed for 12V and 24V operation
- Configurable via UV0D touchscreen display

Technical Specifications

Voltage	8 - 30 VDC
Protection	Over voltage & Reverse voltage External 20 A fuse required
Weight	320 g
Current Consumption	Logic 40 mA
Connector	Superseal 4-1437290-0 Golden contacts 3-1447221-4
Interface	1 x CAN-bus 2.0B
Material	Aluminum
Configuring	Via UV0D display
IP-rating	IP67
Microcontroller	32-bit ARM Cortex-M3
Memory	256 KB Application flash memory 36 kB RAM memory
Outputs	4 x proportional high-side PWM output with current sense
Output max current	2300 mA
Inputs	4 analog voltage inputs 0 ... 5 V 7 digital voltage inputs pairs 30 V tolerant

System diagram



Physical Dimensions