

— About NVR

Founded in 2009 in Silicon Valley, NVR is a leading provider of intelligent electronic control systems and IoT solutions. Committed to our mission "NVR is your electrification partner" we strive to deliver cutting-edge solutions that meet the evolving needs of our customers.



AP1103 Platform Control Unit

The AP1103 is a platform control unit (PCU) specially developed for scissor lifts. It has multiple functions such as six keys, an LED display digital tube, a self-developed handle, a high-decibel buzzer and an emergency stop switch. It features a wide range of power supply voltages and reliable hardware protection, and has passed numerous rigorous environmental tests, enabling it to work stably and safely in various environments.



— Features

- Self-developed joystick with an ultra-long lifespan of 10 million operations
- 4-digit digital tube that can display more information
- Indoor and outdoor status can be switched via keys
- Internal multi-point monitoring ensures safety
- Customized connectors and screen protectors are supported

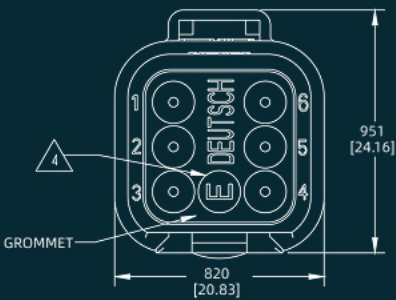
— Specifications

Rated Voltage	24 V
Operating Voltage	9 - 32 V
Rated Current	0.05A@24V
Display Type	4-digit LED Display
Button	6
Buzzer	✓
Emergency Stop	✓
NVReTOOL*	✓
Dimensions	191×123×191.5 mm
Weight	1.48 kg ± 0.01 kg
Connector	TE DT04-6P (connector custom)
Protection Rating	IP65
Operating Ambient Temperature	-40°C - +85°C
Storage Ambient Temperature	-40°C - +85°C
Environmental Testing	IEC 60068-2-11:2021, ISO 16750-3:2012, QC/T 413:2002, ISO 16750-4:2010
Electrical Performance Testing	ISO 16750-2:2012
EMC Testing	ISO 7637-2:2011,ISO 7637-3:2016,ISO 10605:2023, ISO 11452-4:2020,ISO 11452-2:2019
Production Certification	CE, FCC, UL
Additional Features	Self-developed Joystick with Lifespan up to 10 million cycles

Note: NVReTOOL is an self-developed app-based diagnostic tool by that combines a wireless diagnostic box, mobile app, and device management platform. It enables easy program updates, parameter optimization, and data analysis.

— Connector & PIN Definition

Connector Common Model: TE DT04-6P (Connector can be customized)



Pin	Function	Descriptions
1	GND	GND
2	Data_link+	CAN_H
3	E-STOP OUT	Power Supply
4	24V IN	Power Supply
5	Data_link-	CAN_L
6	Reserve	Reserve

— Dimensions

