



Operation sample of AT3



Back view of AT33

Designed for machinery and vehicle technology the AT3 series offers:

Graphic display unit

AT3 is our small-sized graphic display control unit. The display content is freely programmable. User-defined plant conditions, pictograms, icons, bar and pointer representations can be implemented graphically.

AT3 offers a maximum degree of freedom at the configuration of machine operation. Display contents can be rotated about 90, 180 and 270 degrees, which allows overall 4 different installation alternatives of the device.

Night vision design

Illuminated rings around the keys ensure a trouble-free operability at limited visibility conditions such as twilight or at night. The background illumination of the display is 8-stage dimmable.

Temperature-compensated display

At fluctuating ambient temperature LC displays present an alternating contrast. On this account the current temperature of the display is measured periodically in order to readjust the contrast automatically. In result the user benefits from an optimal display presentation at any operating temperature.

Digital potentiometer

A digital potentiometer integrated on the frontside of the device allows an easy and intuitive single-hand operation. It is freely programmable and equipped with a pressure function on the axis.

2nd CAN bus as option

In order to build a second independent CAN network, a second CAN bus can be integrated. Such kind of second CAN network for instance could present the connection to an electronically controlled diesel engine, where communication is realised via standardised J1939-protocol.

Various installation options

Besides front panel installation (indoors or in driving cabinets) with specific clamp springs, there is an option with a surrounding bracket, which ensures an optimal contact pressure of the front panel against the control cabinet door. This effects a best possible frontside sealing.

Technical data:

Dimensions	w 139 x h 104 x d 63 mm
Mounting hole	w 131 x h 96 mm
Weight	550 gram
Fixture	front panel installation
Display dimension	70 x 70 mm
Display type	LCD, supports graphics, 128 x 128 pixel
Background illumination	LED, Yellow/Green mode, MTBF: 100.000 h
Current consumption	220 mA (on 24V)
Supply voltage	10 - 32 VDC incl. reverse voltage protection
Program/data memory	1,2 MByte Flash, 256 kByte SRAM, 2kByte EEPROM
Interfaces	CAN ISO11898, RS232
Optional interfaces	2 nd CAN, RS422
Test standards EMC, temperature, vibration, shock	EN61000-6-3, EN61000-6-2, ISO7637, IEC 68-2-2, IEC 68-2-30, IEC 68-2-6 IEC 68-2-27, e1
Protection rating frontside	IP65 acc. to DIN60529
Operating temperature	-20°C to +65°C
Storage temperature	-30°C to +80°C
Device alternatives	AT 30/31/33/37/39/3H/3K/3004

We reserve the right to make technical alterations without prior notice. Status: April 7 2008.

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