



Back view of AT39

### Technical data:

<b>Dimensions</b>	w 139 x h 104 x d 63 mm
<b>Mounting hole</b>	w 131 x h 96 mm
<b>Weight</b>	550 gram
<b>Fixture</b>	front panel installation via bracket
<b>Display dimension</b>	70 x 70 mm
<b>Display type</b>	LCD, supports graphics, 128 x 128 pixel
<b>Background illumination</b>	LED, Yellow/Green mode, MTBF: 100.000 h
<b>Current consumption</b>	220 mA (on 24V)
<b>Supply voltage</b>	10 - 32 VDC, including reverse voltage protection
<b>Program/data memory</b>	1,2 MByte Flash, 256 kByte SRAM, 2 kByte EEPROM
<b>Interfaces</b>	CAN ISO11898, RS232
<b>Optional interfaces</b>	2 <sup>nd</sup> CAN, RS422
<b>Test standards EMC, temperature, vibration, shock</b>	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN60068-2-6, EN60068-2-27, EN60068-2-2, EN60068-2-30
<b>Protection rating frontside</b>	IP65 acc. to DIN60529
<b>Operating temperature</b>	-20°C to +65°C
<b>Storage temperature</b>	-30°C to +80°C

We reserve the right to make technical alterations without prior notice. Status: April 3 2009.

H246A2

**Designed for machinery and vehicle technology**  
**AT39 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 adjust 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 front 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 option

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

### Screw fastening via bracket

AT39 features a 4-sided bracket, which ensures an optimal contact pressure of the front panel against the control cabinet door. This effects a best possible frontside sealing.

