



Assembling enclosure of AT21 and mount ATK 138

Designed for machinery and vehicle technology the AT2 series offers:

Plaintext display

Machine data is directly displayed as plaintext in 4 lines each with 20 characters.

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.

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.

Simple CAN connection

For starting up AT2, only the connection of CAN bus as well as supply voltage is necessary. A switchable load resistance is also integrated.

RS232 or RS422 interface

Optionally a RS232 or RS422 interface is implemented, which offers extended communication possibilities.

Control via CAN bus

Using appropriate software, AT2 can also be applied for realisation of control functions. In-/outputs are transmitted to the control unit via CAN bus. Programming is to be carried out with ladder diagram or in "C".

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 42 mm
Weight AT20 / AT21	550 gram / 750 gram
Fixture	AT20 front panel installation via bracket AT21 via hinge ball bracket
Display dimension	74 x 23 mm
Display type	LCD module, alphanumeric, 4 lines each with 20 characters
Background illumination	LED, Yellow/Green mode, MTBF: 100.000 h
Current consumption	150 mA (on 24V)
Supply voltage	10 - 32 VDC incl. reverse voltage protection
Program/data memory	1,2 MByte Flash max., 256 kByte SRAM max., 2 kByte EEPROM
Interfaces	CAN ISO11898, RS232
Optional interfaces	2 nd CAN, RS422
Test standards EMC, temperature, vibration, shock	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN60068-2-6, EN60068-2-27, EN60068-2-2, EN60068-2-30
Protection rating frontside	IP65 acc. to DIN60529
Operating temperature	-20°C to +70°C
Storage temperature	-30°C to +80°C
Device alternatives	AT 20/21/26/27

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

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