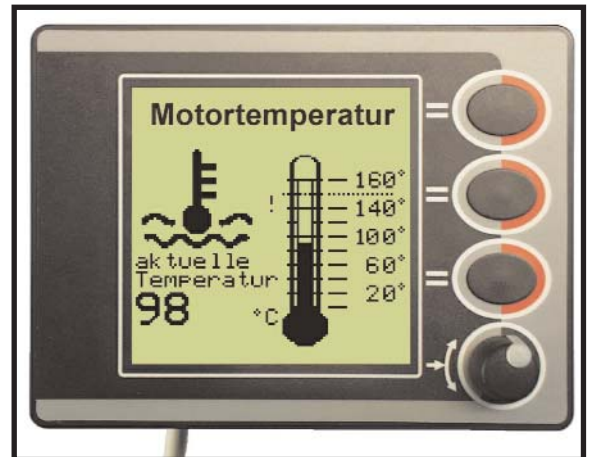


AT3-series Graphical HMI/Control unit



The AT3-series is an operator panel with full graphical display capability on its LCD, accepting any standard graphical image formats such as JPEG and TIFF. The unit can function as a complete CANbus Controller; the addition of input and output slave modules enables you to build up a low cost, simple CANbus system.

The unit is constructed for rough environments found in vehicles, building machines and plant construction. The AT30 version is designed for front panel mounting in switch cabinets, and the AT31 comes in its own enclosure for direct use in machinery and vehicles.

In operation there are 3 integrated control keys and a user-friendly digital potentiometer, making data input quick and simple without any additional keyboard. The AT3-series is freely programmable in the C programming language.

Flexible adjustment is provided for brightness and contrast of the display via keys or software.

- **LCD with LED Backlight**
- **CANbus Controller**
- **71 x 71 mm Display**
- **Night-use Design**
- **Optional Clock/Timer**
- **Panel-mounting or supplied in enclosure**
- **Standard graphic images**
- **Simple quick input**
- **Small Size**
- **J1939 / CAN-Open**

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AT3-Series technical data

Display:

Graphic, 128 x 128 Pixel, LCD, LED-Backlight

Visual area:

71 x 71 mm

Input control:

1 Potentiometer with detent and 3 push buttons

Memory:

1.2 MB Flash max.
256 kB SRAM max.
2 kB EEPROM

Dimensions:

139 mm x 104 mm x 44 mm

Mounting:

Front panel or build-on enclosure

Interface:

CAN-Interface

Programming:

C with graphics editor ITE6

Special feature:

Night design of keys

EMC, vibration, shock:

EN50081, EN50082, EC68-2-6, IEC68-2-27, ISO7637

Power supply:

10 – 32 VDC

Current consumption:

210 mA (Uoperate=24V)

Load-dump resistance:

Included, Level II (113V)

Operation temperature:

LCD Display –20°C to +70°C

Storage temperature:

LCD Display –30°C to +80°C

Protection rating:

IP64 to the front according to DIN40050

Options:

Clock, build-on enclosure

Panel Mounting Cut-out:

130 ±0.5mm width, 95 ±0.5mm height

Panel Thickness

1.5 to 3.0mm

Electrical connector:

AMP 0-929504-2 Housing
AMP 0-927864-2 Pins
(Mating unit supplied)

Ordering Code:

Model AT3x

Panel mounting x=0

Enclosure x=1

Programming tools:

Software Model ITE6D
CAN Adaptor (Parallel Port)

Cable

9 pole

We reserve the right to make technical alternations without prior notice