

## 5.7" Keypad HMI

Aluminum frame and casing in appealing design, powder-coated in steel-gray color, provides protection and gives a timeless look. The front enclosure is IP66 classified, which means that it is waterproof even when exposed to high pressure washing. The 16 function keys can be used for controlling, with an explanatory text in the display or on a text strip, and the 16 LEDs for status indication. The operator panel is configured with the user-friendly software tool.



Electrical and Mechanical Specifications	AKI-CDF-MOD-06T
<b>Hardware</b>	
Display	TFT-LCD. 320 x 240 pixels, 64K colors. LED backlight lifetime at the ambient temperature of +25 °C: >20,000 h.
Screen Size / Active display, W x H	5.7" / 115.2 x 86.4 mm
Function keys	16 (8 with integrated LED and text strip)
LEDs	16 (8 with integrated LED and text strip)
Front / Rear seal	IP 66 / IP 20
Keyboard material	Membrane switch keyboard with metal domes. Overlay film of Autotex F157 with print on reverse side. 1 million operations.
Reverse side material	Powder-coated aluminum
Processor / RAM	312 MHz RISC CPU (Intel Xscale) / 64MB
Flash memory	32 MB with 12 MB for applications and fonts
Real time clock	±20 PPM + error because of ambient temperature. Total maximum error: 1 min/month at 25 °C Temperature coefficient: -0.034±0.006 ppm/°C <sup>2</sup>
Power consumption at rated voltage	Normal: 0.2 A , Maximum: 0.4 A
Fuse	Internal fuse, 2.0 AT, 5 x 20 mm
Power Supply	+24 V DC (20 - 30 V DC). 3-pin jack connection block. CE: The power supply must conform with the requirements according to IEC 60950 and IEC 61558-2-4. UL and cUL: The power supply must conform with the requirements for class II power supplies
Operating temperature	Vertical installation: 0 ° to +50 ° C Horizontal installation: 0 ° to +40 ° C
Storage temperature	-20 ° to +70 °C
Relative operating humidity	5 - 85 % non-condensed

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With 320 x 240 pixels, this 5.7" color display ensures good viewing in all conditions and large viewing angles. The 4-color front foil print enhances the look and feel of the operator panel, and helps in guiding the operator's hand and eye.

The lines from function keys to the display help the eye make the connection from function key to the object on the screen. The integrated function key, text strip and LED is easy to use and understand as one unit. The position of cursor keys and Enter key in the lower right corner make them easy and comfortable to use with both left and right hand (without obscuring the view of the display), and matches the symbols from a PC keyboard. Digits are conveniently arranged to match the position on a PC numeric keyboard.



The Internet-style symbols are easy to recognize and understand, e.g. a house symbol for home returning you to the first screen.

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<b>Certificates and Approvals</b>	
CE approvals	Noise tested according to EN61000-6-3 emission and EN61000-6-2 immunity.
UL, cUL approvals (when product or packing is marked)	UL 1604 Class I, Div 2 / UL 508 / UL 50 4x indoor use only
DNV	Yes
NEMA	4x indoor use only
Germanischer Lloyd	Yes
<b>Communication</b>	
Serial port RS422/RS485	25-pin D-sub contact, female with standard locking screws 4-40 UNC.
Serial port RS232C	9-pin D-sub contact, male with standard locking screws 4-40 UNC.
Ethernet	10/100 Mbit/s. Shielded RJ 45
USB	Host type A (USB 1.1), max output current 500 mA
Field buses (expansion modules)	Profibus DP slave
<b>Dimensions</b>	
Front panel, W x H x D)	275 x 168 x 6 mm
Cut out dimensions	240 x 130 mm
Mounting depth	57 mm (157 mm including clearance)
Weight	1.2 kg