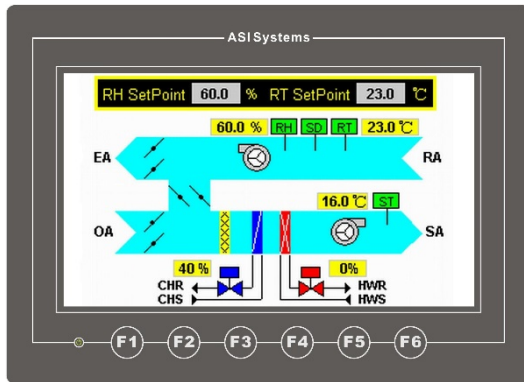## GENERAL

The DAK-5070 series Touch-Screen Operator Panel is a Human Machine Interface for the ASI DDC or Modbus communicating controllers. The touch-screen operator panel allow for easy and self-explanatory operation by fingertip or touch-pen.

The DAK-5070 series supports up to 10 languages (any Windows supported language can be specified), Unicode system and supports BMP, JPG and GIF graphic formats. The data display in numerical, text and graphic. It allows the display controller status, the modification of setpoints and schedules, intervention in controller operation via overrides, and to annunciate and acknowledge alarms.

The DAK-5070 series provided RS-232, RS-422, RS-485, Ethernet and USB communicating interface and ASI or Modbus communicating driver. The DAK-5070 series interacts with the controllers on the system communicating bus. The leaves the system bus free for communication with other controllers and/or the Building Management and Control System (BMCS). Data from one or more controllers can be placed on a series of screens. The choice of data to be displayed is made at the time the DAK-5070 series is configured. The configuration is kept in non-volatile memory so that it does not lose program data during power interruption.

The DAK-5070 series is page based. The operator can select one of its pages. Scrolling up or down the page accesses data. The page structure allows rapid access to data. Numeric data can be scaled, or used to display one of a list of messages. Binary data can display different on and off label. Controller labels such as Description, Input, Output and Schedule Name can be displayed as strings.

FEATURES

- Touch-Screen panel operation by fingertip or touch-pen

- Provided RS-232, RS-422, RS-485, Ethernet and USB communicating interface

- Provided ASI or Modbus communicating driver

- Supports up to 10 languages and Unicode system

- Supports BMP, JPG and GIF graphic formats

- Data logging, alarms and historical alarm list

- 9 password levels protection

- Allows the display controller status, and to annunciate and acknowledge alarms

- To intervene in controller operation via overrides

- Allows modification of setpoints, schedules and monitors status

SPECIFICATIONS

Specifications \ Models		DAK-5070A	DAK-5070B	DAK-5070C
Display Type		TFT LCD, 65535 colors	TFT LCD, 65535 colors	TFT LCD, 65535 colors
Display Size		7.0 inches	7.0 inches	7.0 inches
Display Resolution (pixels)		800 x 480	800 x 480	800 x 480
Working Memory		64M Bytes	64M Bytes	64M Bytes
AP Max. Size for Memory		20M Bytes	64M Bytes	64M Bytes
Data File Memory		64M Bytes	64M Bytes	64M Bytes
Programming Screen		Max. 30 Pages	Max. 7999 Pages	Max. 7999 Pages
Macro Commands		Max. 100 Lines	Unlimited	Unlimited
Battery Backed Memory		128K Bytes(Optional: 1MB)	128K Bytes(Optional: 1MB)	128K Bytes(Optional: 1MB)
Communication Interface	COM1	RS-232 (DB9)	RS-232 (DB9)	RS-232 (DB9)
	COM2	RS-422/RS-485 (DB9)	RS-422/RS-485 (DB9)	RS-422/RS-485 (DB9)
	COM3	RS-485 (DB9)	RS-485 (DB9)	RS-485 (DB9)
	COM4, 5	N / A	N / A	RS-485 (5-Pin) (Optional)
	USB	USB Host x 1, USB Client x 1	USB Host x 1, USB Client x 1	USB Host x 1, USB Client x 1
	Ethernet	N / A	N / A	Yes
Ingress Protection		IP65	IP66	IP66

Power Supply:
24 Vdc (□10%), 50/60 Hz, 20 W

Central Processing Unit:
RISC ARM9 32-bit CPU

Screen Type:
4-wire Analog Resistive Type

Touch-Screen Operation:
Operation by fingertip or touch-pen

Support Graphic Formats:
BMP, JPG and GIF

Support Languages:
Up to 10 languages
(Any Windows support languages can be specified)

Password Protection:
9 password levels

Communications Speed:
- COM Ports: Maximum 187.5K bps selectable
- Ethernet: 10/100M bps
- USB: Maximum 12M bps

Clock:
Real Time Clock (Nonchargeable battery, 5 year battery life for DAK-5070C and 3 year battery life for DAK-5070A, B)

Vibration Testing:
10 ~ 55 Hz
(30 minutes testing at X, Y, Z direction 1G Hz shaking)

Back Light:
LED back light and over 20,000 hours lifetime

Certifications:
- CE: EN61000-6-2, EN61000-6-4
- EMI: FCC Part 15 Class A
- RoHS Compliance

Dimensions:
203.5 x 148.5 mm (W x H)

Cutout Dimensions for Panel Mounting:
191.5 x 138 mm (W x H)

Operating Ratings:
-10 ~ 60 ºC, 10 ~ 90 %RH (non-condensing)