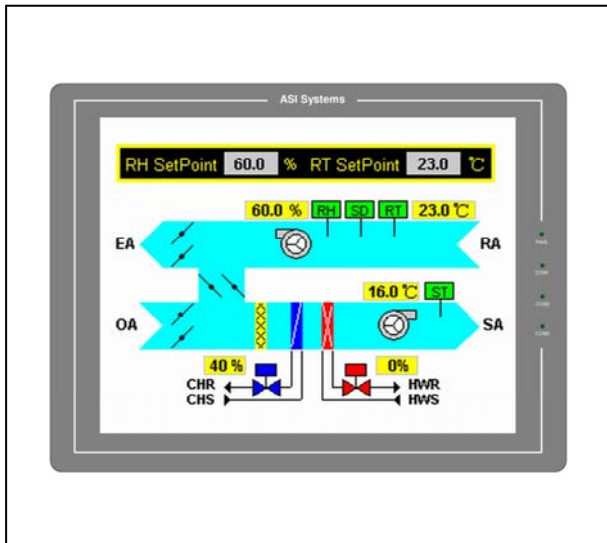


DAK-2000 Series

Touch-Screen Operator Panel Operator Interface



FEATURES

- Touch-Screen panel operation by fingertip or touch-pen
- Provided RS232, RS485, Ethernet and USB communication 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
- Allows intervention in controller operation via overrides
- Allows modification of setpoints, schedules and monitors status

GENERAL

The DAK-2000 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-2000 series supports up to 10 languages Any Windows supported language can be specified (Unicode system). Data is displayed by combining numeric or text values with BMP, JPG or GIF graphics. 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-2000 series provided RS232, RS485, Ethernet and USB communicating interface and ASI or Modbus communicating driver. The DAK-2000 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-2000 series is configured. The configuration is kept in non-volatile memory so that it does not lose program data during power interruption.

The DAK-2000 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.

ASI Systems

DAK-2000 Series Touch-Screen Operator Panel

SPECIFICATIONS

Specifications	Models		
	DAK-2080G	DAK-2104G	DAK-2121C
Display Size	8.0 inches	10.4 inches	12.1 inches
Display Resolution	800 x 600 pixels	800 x 600 pixels	800 x 600 pixels
Dimensions (W x H x D)	232.5 x 175.8 x 49.0	297.0 x 224.0 x 52.0 mm	315.0 x 241.0 x 54.5 mm
Cutout Dimensions (W x H)	221.5 x 164.0 mm	285.5 x 210.5 mm	301.5 x 228.0 mm
Weight	1.15 kg	1.55 kg	2.2 kg

Supply Voltage: 24 Vdc ($\pm 15\%$)

Power Consumption: 20 W

Display Type: TFT LCD, 65535 colors

Screen Type:

Analog, 4 degrees surface hardness and minimum 1 million times operational life

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)

Character Display:

6 x 8 to 96 x 96 dot font (Windows built-in)

Central Processing Unit:

RISC ARM 32-bit CPU

Programming data Memory:

16M Bytes Flash Memory

Operating System Memory:

64M Bytes (Max. 128M Bytes expandable) SDRAM Memory

Battery Backed Memory:

128K Bytes (Max. 1M Bytes expandable)

Serial Communication Ports:

COM1: RS232/RS422/RS485

COM2: RS232/RS422/RS485

COM3: RS232

Network Communication Ports:

1 Ethernet port

USB Communication Ports:

2 ports, USB Host 2.0, Full speed (Maximum 12M bps)

Printer Communication Ports:

1 USB port

Communications Speed:

COM1, COM2 and COM3: Maximum 187.5K bps selectable

Ethernet: 10/100M bps

USB: Maximum 12M bps

Back Light:

LED back light and over 50,000 hours lifetime

Password Protection:

9 password levels

Vibration Testing:

10 ~ 55 Hz

(30 minutes testing at X, Y, Z direction 1G Hz shaking)

Certifications:

CE: EN55022, EN61000-4-2, EN61000-4-3, EN61000-4-8

EMI: FCC Part 15 Class A

RoHS Compliance

Protection Class for Front Panel:

IP65/NEMA4

Mounting: Panel mounting

Operating Rating :

0 ~ 50 °C, 10 ~ 90 %RH (non-condensing)

Storage Temperature:

-20 ~ 60 °C