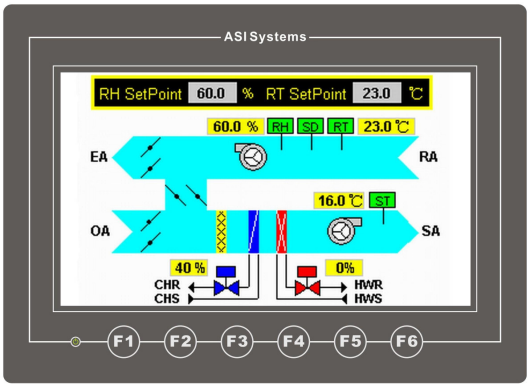
DAK-1070 Series

Touch-Screen Operator Panel
Operator Interface



FEATURES

- Touch-Screen panel operation by fingertip or touch-pen
- Provided RS232, RS422, RS485, 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

GENERAL

The DAK-1070 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-1070 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-1070 series provided RS232, RS422, RS485, Ethernet and USB communicating interface and ASI or Modbus communicating driver. 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-1070 series is configured. The configuration is kept in non-volatile memory so that it does not lose program data during power interruption.

The DAK-1070 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.

SPECIFICATIONS

Specifications \ Models		DAK-1070A	DAK-1070C
Display Type		TFT LCD, 65535 colors	TFT LCD, 65535 colors
Display Size		7.0 inches	7.0 inches
Display Resolution (pixels)		800 x 480	800 x 480
Operating System Memory		32M Bytes	32M Bytes
Programming data Memory		8M Bytes (Max. 128M Bytes expansible)	8M Bytes (Max. 128M Bytes expansible)
Battery Backed Memory		128K Bytes	128K Bytes
Serial Communication Ports	COM1	RS232/RS422/RS485	RS232/RS422/RS485
	COM2	-	-
	COM3	RS232 or RS485	RS232 or RS485
USB Communication Ports		2 ports, USB Host x 1, USB Client x 1	2 ports, USB Host x 1, USB Client x 1
Network Communication Ports		-	Ethernet (10/100M)
Protection Class for Front Panel		IP65	IP65

Power Supply:
24 Vdc (±10%), 50/60 Hz, 15 W

Central Processing Unit:
RISC ARM9 32-bit CPU

Screen Type:
4-wire resistive, 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)

Password Protection:
9 password levels

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

Communications Speed:
- COM1, COM2, COM3: Maximum 187.5K bps selectable
- Ethernet: 10/100M bps
- USB: Maximum 12M bps

Clock:
Real Time Clock

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

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

Dimensions:
203.5 x 149.0 mm (W x H)

Cutout Dimensions for Panel Mounting:
192.0 x 138.5 mm (W x H)

Operating Ratings:
0 ~ 50 ^{o}C, 10 ~ 90 %RH (non-condensing)

Storage Temperature:
-20 ~ 60 ^{o}C