

DAK-1035 Series

Touch-Screen Operator Panel Operator Interface



FEATURES

- Touch-Screen panel operation
- RS485, and Ethernet communication interfaces
- 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 of protection
- Annunciate and acknowledge alarms
- Initiate controller overrides
- Modify setpoints and schedules
- ASI Controls or Modbus communication driver

GENERAL

The DAK-1035 series Touch-Screen Operator Panel is a Human Machine Interface for ASI Controls controllers. The touch-screen operator panel allow for easy and self-explanatory operation by fingertip or touch-pen.

The DAK-1035 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, GIF, or JPG graphics. It allows the display to show controller status, the modification of setpoints and schedules, intervention in controller operation via overrides, and to annunciate and acknowledge alarms.

The DAK-1035 series provides RS485 communication interface and ASI or Modbus communication driver. The DAK-1035 series interacts with the controllers on the system or local communication bus. Using the local bus 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-1035 series is configured. The configuration is kept in non-volatile memory so that it does not lose program data during power interruption.

The DAK-1035 series is page based. The operator can select one of its pages. Scrolling up or down the page accesses additional 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 labels. Controller labels such as Description, Input, Output and Schedule Name can be displayed as strings.

SPECIFICATIONS

Specifications		Models	
		DAK-1035A	DAK-1035C
Display Type		TFT LCD, 256 Colors	TFT LCD, 256 Colors
Display Size		3.5 inches	3.5 inches
Display Resolution (pixels)		320 x 240	320 x 240
Programming data Memory		2M Bytes	4M Bytes (Max. 8M Bytes expandible)
Operating System Memory		512K Bytes	2M Bytes
Battery Backed Memory		-	128K Bytes (Max. M Bytes expandible)
Serial Communication Ports	COM1	RS232	RS232/RS422/RS485
	COM2	RS422/RS485	RS422/RS485
Network Communication Ports		-	Ethernet (10/100M)

Supply Voltage: 24 Vdc (±15%)

Power Consumption: 8 W

Central Processing Unit:

RISC ARM 32-bit CPU

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)

Communications Speed:

.COM1 and COM2: Maximum 187.5K bps selectable

.Ethernet: 10/100M bps

Vibration Testing:

10 ~ 55 Hz

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

Back Light:

LED back light and over 50,000 hours lifetime

Password Protection:

9 password levels

Certifications:

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

EMI: FCC Part 15 Class A

RoHS Compliance

Protection Class:

IP65F/NEMA4

Dimensions:

130.0 x 106.2 x 39.0 mm (W x H x D)

Mounting :

Panel mounting

Cutout Dimensions:

118.5 x 92.5 mm (W x H)

Operating Rating:

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

Storage Temperature:

-20 ~ 60 °C

Weight:

0.45 kg