

## Intelligent Message Displays

- **B-Versions**
  - Store up to 255 texts
  - Variable data insert
  - Multiple character sets
  - BCD, Binary or Serial text call
  - Built-in real-time clock
  - Alarm relay
- **A-Versions**
  - 'Slave' displays
  - RS-232C interface



A range of intelligent message displays designed to show operator information in many types of industrial control and automation systems. The bright green fluorescent displays are easy-to-read in most operating environments. The wide choice of character sets, including Cyrillic, caters for the special characters that are required by many European and international users.

**B-Versions** have a built-in text memory to store up to 255 texts. These can be triggered by a parallel or serial interface, either as static texts, in one or two lines with 20 or 40 characters per line (depending on the model), or up to 175 characters as scrolling text. In addition, variable data can be input via the serial or parallel interfaces and overlaid in selected pre-stored messages. Up to three blocks of variable data can be included in a single text. Texts can also be pre-tagged to operate the built-in alarm relay when they are triggered. Texts are programmed in 'edit' mode, or by 'file' transfer via the serial interface. Programming software and P.C. connection cables are available.

Four display modes are available. In the first mode, the currently triggered text message is displayed and the operator can call an optional linked message, e.g. a 'help' text. The other three modes build up a display queue. This can be set to show the first, the last, or all messages in sequence for a preset time. The operator can page through, read and delete messages in the queue by using the press-button keys on the front of the unit. Four control inputs allow remote operation of the display modes.

A serial data output is available to send pre-tagged messages to a printer, complete with date & time from the internal real-time clock, or to a DAA ... A version 'slave' display.

**A-Versions** are designed to be 'slave' displays or 'visual printers'. They do not have a text memory. Data is input through the serial interface and the same wide range of character sets is available.

Both A- and B-Versions are available in a choice of sizes, with either one or two line displays:

Model	Bezel Size (mm)	No. Lines	Characters/Line	Text Memory	Power Supply
DAA 144-120 A	144 x 36	1	20	---	24VDC
DAA 144-120 B	144 x 36	1	20	YES	
DAA 288-240 A	288 x 72	2	40	---	115VAC, 230VAC or 24VDC
DAA 288-240 B	288 x 72	2	40	YES	

### Specifications

A-Versions	
Serial interface	RS-232C, 110...2400 baud, 7 or 8-bit
B-Versions	
Text memory	16k CMOS RAM
Text call	Binary (255 texts), BCD (99 texts), Serial (255 texts) or Direct (8 texts)
Variable overlay	Via Serial or Parallel interfaces
Parallel interface	'High' level: +24V (+15...+30V) 'Low' level: 0V (0...+7V)
Strobe	Active or Passive
Display modes	First, Last, Sequence, Current or External control
Serial interface	RS-232C, 110...2400 baud, 7 or 8-bit
Serial output format	'Normal' to a printer, etc. 'Slave' to a DAA...A-Version
Alarm output	Normally open relay contacts 30V, 2A

General	
Display	Green vacuum fluorescent
Character size	5mm high, 5x7 dot matrix
Brightness	Adjustable – 4 levels
Character sets	ASCII, Cyrillic, German, French, Swedish/Finish, Danish/Norwegian
Power supply	24VDC (19...36V), 6W, 1.5A peak 115 or 230VAC ±15%, 45...65Hz, 10VA
Safety	IEC 61010
Temperature range	Storage: -40 to +80°C Operating: 0 to +50°C
Dimensions (W x H x D)	DAA 144: 144 x 36 x 147.5 mm DAA 288: 288 x 72 x 95 mm
Panel cut-out	DAA 144: 138 x 33 mm DAA 288: 282 x 68 mm
Protection	Front panel IP 65