GTD
Технические характеристики

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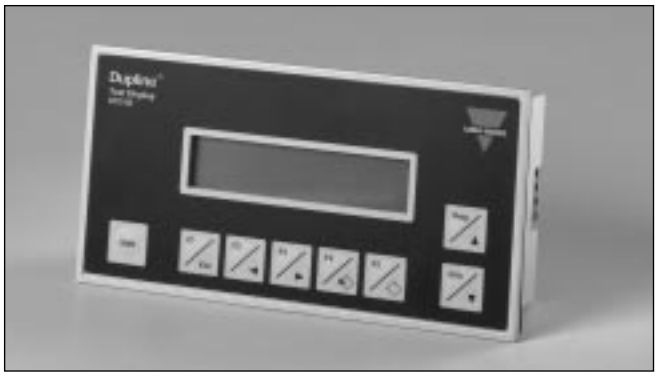
Dupline® Text Display Type GTD 50



- **Programmable display**
- **LCD backlit with LEDs**
- **20 characters x 2 rows**
- **Customizable function keys**
- **Displaying of alarm messages**
- **Dynamic texts**
- **Digital and analog (Analink, 8-bit) inputs**
- **Activating of Dupline® outputs by means of function keys**
- **Windows based configuration software**
- **24 VDC power supply**
- **Degree of protection: IP 65 (front)**
- **Interface with Dupline® GTI 50 interface**

Product Description

The GTD 50 is a programmable display for special integration in building automation applications like status and alarm-monitoring. Readout of analog signals, AnaLink and digital signals. It is possible to create dynamic text lists for the digital inputs. Projects are developed with configuration software GTDWIN for Windows 95/98.

Ordering Key

GTD 50

Type: Dupline®
Text display
Type

Type Selection

Supply	Ordering no.
24 VDC	**GTD 50**

Supply Specifications

Power supply	24 VDC (18-32 VDC)
Power consumption	5 W @ 24 VDC
Protection fuse	315 mA - quick blow F (5 x 20 mm)

Display Specifications

Type	Alphanumerical LCD display
LED backlight	Yes
Display format	2 x 20 characters
View area	18,6 x 83 mm
Character matrix (text mode)	7 x 5 pixels
Character size	5,55 x 3,2 mm
Contrast	Adjustable by trimmer
Function keys	5 customizable
Operational keys	8
Operational capacity	
No. of operative pages	128
Variable format	Decimal, hexadecimal, Binary, BCD, ASCII
Dynamic texts	1024
Info and help pages	128 of each
No. of projects	1
Configuration software	GTDWIN

General Specifications

Environment	
Degree of protection	IP 65 (front)
Operating temperature	0 to 50°C (32 to 122°F)
Storage temperature	-20 to +60°C (-4 to +185°F)
Humidity (non-condensing)	≤ 85% R.H.
Weight	0.5 kg
Dimensions	166 x 86 x 41 mm
Panel cut-out	157 x 77 mm

Mode of Operation

Configuration
The GTD50 display has to be configured by a PC loaded with the configuration software GTDWIN.
A project may be defined as a set of screens/pages having the same dimensions as the display of the GTD 50. All pages can be free configured by the user, so as to be able to contain texts and/or the display/setting of proces variables. The various pages configured in this way can be freely interconnected to create the best way for the user to navigate between them. Finally, every project can enable the user to create appropriate diagnostic comments in order to signal the occurrence of anomalous events in the process.

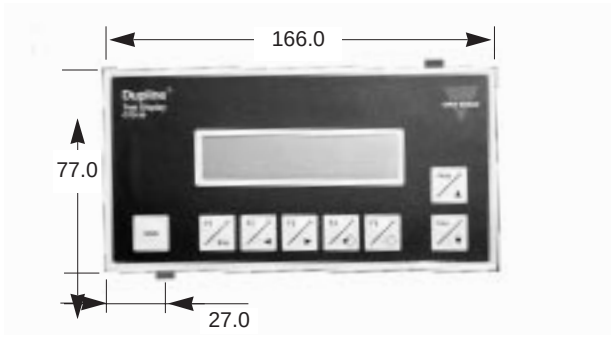
Dynamic Text
A Dynamic Text Field is defined as the representation of binary data in a text format. The Dynamic Text Field is a dynamic field that relates to a Dupline input. Text is displayed by interpreting the value of the Dupline input or the state of one or more of its bits (bit-group) corresponding to a text list.
If the Dupline input corresponding to the text list does not identify a valid text, a series of "!" characters appears on the display.
The Dynamic Text Field can be linked to a list in two different ways: assigned to a single bit of a given Dupline input or assigned to a group of bits of a given group of Dupline inputs.
The value (in binary or BCD) of the variable assigned to the text list is used to determine which text to display. The value 0 is inadmissible.

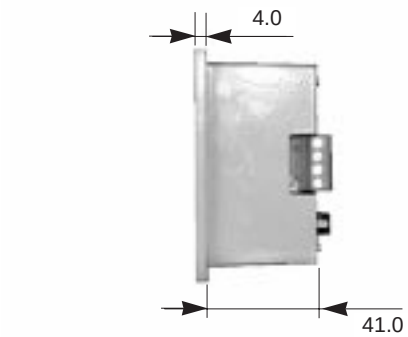
Displaying Alarm Message
Alarm/Information Messages are texts displayed when the device registers an event and communicates it to the GTD 50 using the message input area. The GTD 50 prepares a display context appropriate for messages.
Information Message contains a special Message Field: this allows the numerical display of the magnitude that has triggered the event of the message.
ISA-alarms (Acknowledge and Reset) can be controlled from the GTD 50 display, when connected to the Master Generator (G38900014).

Displaying Analink Values
The display value of the analink input can be freely scaleable within any range, and the position of the decimal points is selectable.

Function Keys
For every defined screen, 5 function keys can be configured to activate a Dupline output. These outputs can among other things be used to activate acknowledge and reset functions in connection with the Master Generator (G38900014).

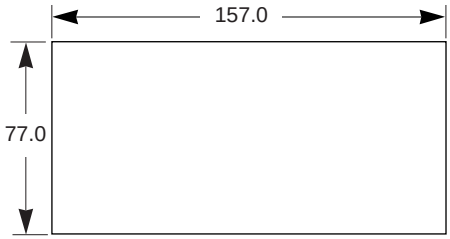
Dimensions





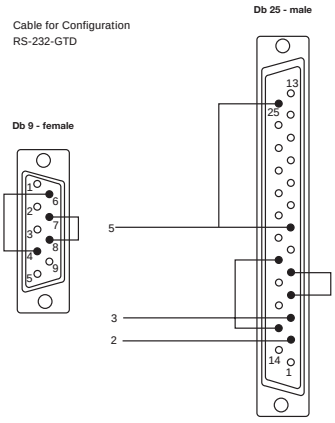
All dimensions in mm

Panel Cut-out



All dimensions in mm

Pin Assignment



Additional Information

Scope of supply:

1 x Text Display	GTD 50
1 x Dupline® interface	GTI 50

Accessories

Configuration software	
User-manual	
Cable for configuration	RS-232-GTD

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