

D-216L
D-420L
Dm-216L
Dm-420L

COMPALARM D

ALPHANUMERIC ALARMS/ MESSAGES DISPLAY
2 ROWS OF 16 CHARACTERS OR 4 ROWS OF 20 CHARACTERS LCD



GENERAL

“D” type, message/alarm display series, provide an easy operator interface, substituting light indicators with clear pre-stored messages.

In new equipment designs or existing refurbishing, the “D” message/alarm display series, can help you to show your information in an easily understandable language.

Different operating modes can meet your specific application requirements.

MAIN FEATURES

Alarm annunciator and event recorder
 Message display for PLC/PC
 Remote terminal
 Distributed detection
 Status/diagnosis indicator
 Operator's interface
 Remote supervision and control

DESCRIPTION

- 16 direct or 60 binary inputs
- EIA-485 com port for remote supervision
- NO/NC inputs selection
- Optoisolated inputs
- Modular and expandable architecture
- Real time clock without battery
- Simplified keyboard (can be re-exported)
- 8 groups with programmable behaviour
- Programming from the front keyboard
- Programming from the PS/2 standard keyboard
- Programming from the PC
- Cumulative SPDT contact
- Group outlets
- 6 audio tone internal generator
- Internal loudspeaker
- Audio output for tone diffusion
- Internal timer driven events
- Internal clock driven events
- Backlighted liquid crystal display
- Screen saver
- External GSM module for SMS, data and fax
- Possible interface with Windows® data logger

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TECHNICAL DATA

Supply voltage	12±40 Vdc 9±30 Vac	ENCLOSURE	DIN43700 Noryl UL V-0
Frequency	0÷1000 Hz	Overall dimensions	144 x 72 x 80 mm
Power consumption	5 VA MAX	Panel Drill dimensions	138 x 68 mm
Power dissipation	3 W MAX	Mounting	2 types, DIN rail and Flush mounting on panel
	SCREW AND PLUG 2 POLES 1,5 mm ² 16	Mounting position	Any
Terminals	AWG	Protection class	EN60529 IP40
Line fuse	Internal self-recovery		WITH GASKET AND AUX FRONT DOOR IP54
Backup battery	External 12V Sealed Lead / 4Ah MAX	Accessories	Front panel gasket Transparent lockable door
Working temperature	0÷60 °C	EMC COMPLIANCE	89/336/EEC
Storage temperature	-20÷80 °C	Emission	EN50081-1
Relative humidity	NON CONDENSING 35÷75%	Immunity	EN50082-2
INPUTS		ISOLATION INPUTS INTERNAL LOGIC OUTPUTS	
Operating voltage	24Vac/dc ±20%	Test voltage	2500 V @ 50Hz, 1 minute
Current (any)	7 mA MAX @ 24V	Isolation voltage	300 V RMS
	SCREW AND PLUG 10 POLES 1,5 mm ² 16		
Terminals	AWG		
OUTPUTS		AUX OUTPUTS	Single return open collector
Switching voltage	250Vdc MAX	Switching voltage	50 Vdc MAX
	250Vac MAX	Switching current per output	500 mA MAX
Switching current	2A cosφ=1	Total switching current	1000 mA MAX
Switching power	50W MAX	Switching power per output	20 W MAX
	250VA MAX	Total switching power	50 W MAX
	SCREW AND PLUG 4 POLES 1,5 mm ² 16		SCREW AND PLUG 10 POLES 1,5 mm ² 16
Terminals	AWG	Terminals	AWG
SERVICE PORT	PS/2	AUDIO OUT	80÷4000 Hz
Voltage	5 Vdc MAX	Level	750 mV
	CONNECTOR Mini DIN 6 poli		JACK PLUG 3,5 mm stereo
Terminal		Terminal	
COMMUNICATION	EIA-485	REAL TIME CLOCK	
Line length	1200 meters	Precision	±15 minutes per year
Termination resistor §	EXTERNAL 120 Ω	Setting	Front panel keyboard or PS/2
Bias resistors (fail-safe)	EMBEDDED 1 kΩ	Backup	10 days, without battery
	SCREW AND PLUG 4 POLES 1,5 mm ² 16		SYNCHRONIZATION THROUGH
Terminals	AWG		CCOMMUNICATION LINE
MESSAGES MEMORY	EEPROM		
2 Kbytes BASE	27 messages		
6 Kbytes ESPANSION 4 Kbytes	91 messages		

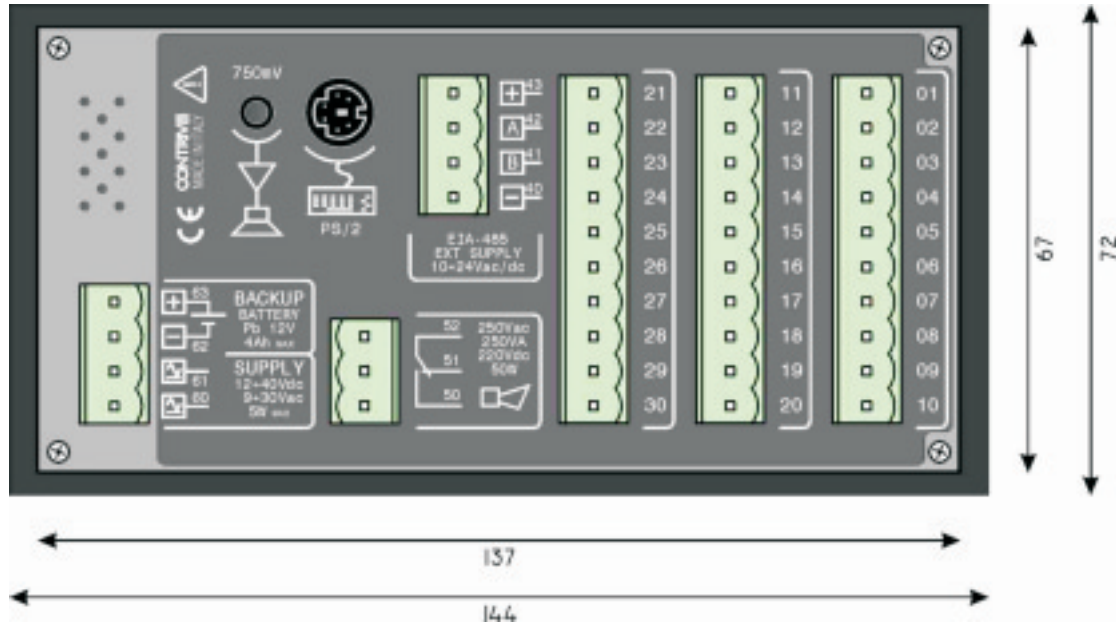


Terminating resistor must be installed at both end of the line, directly on the terminal block and it's mandatory only for line length beyond 500 meters.

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REAR VIEW



- | | |
|-------------------------------------------|----------------------------------------------|
| A SUPPLY AND OPTIONAL BACK UP BATTERY | E EXT. KEYBOARD INPUTS OR GROUPS OUTPUTS |
| B CONTACT RELAY SPDT | F AUDIO OUTPUT for external amplifier 750 mV |
| C INPUTS 9÷16 (common to terminals 9, 10) | G PS/2 PORT for keyboard and accessories |
| D INPUTS 1÷8 (common to terminals 19, 20) | H ISOLATED INTERFACE EIA-485 |

FRONTAL VIEW



- | | |
|------------------------------------|----------------------------------------------------------|
| A LIQUID CRISTAL DISPLAY | ALL PUSH BUTTONS ARE FITTED WITH LIGHT SIGNALLING STATUS |
| B PUSH BUTTON FOR HELP | |
| C CONFIRMATION PUSH BUTTON (ENTER) | |
| D SEARCH DOWN (SCROLL DOWN) | |
| E SEARCH UP (SCROLL UP) | |