

# COMPALARM D2 - D2m

DISPLAY ALARM ANNUNCIATOR



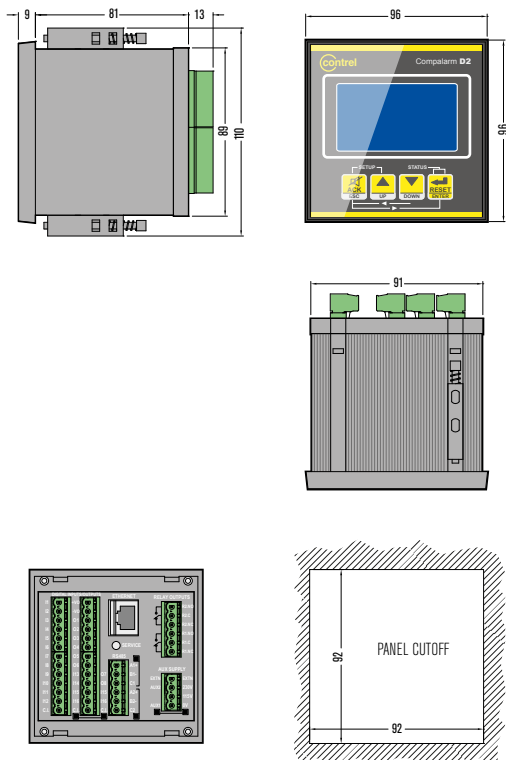
ETHERNET INTERFACE



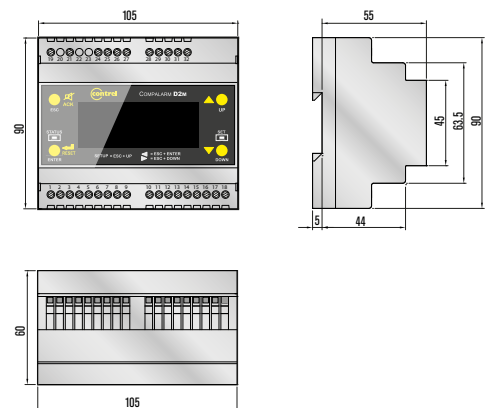
## GENERAL

The D Series alarm display is used to inform the operator that a process has gone beyond set limits using visual messages and audible device. The warning lights can be replaced with pre-stored messages. Several modes of operation, enclosed in a single versatile device, allow to adapt the D series displays to the most diverse conditions of use. Once connected to a PC running the D2-D2m supplied configuration software, the user can enable or disable functions as required. Using the software the user can set visual alarm messages.

### DIMENSIONS D2



### DIMENSIONS D2m



## FEATURES

- 16 input channels
- Up to 8 digital outputs
- Each channel fully field programmable, either from front panel or using PC
- Contact follower Normally Open or Normally Close
- User-friendly configuration software will be supplied free of charge
- Output relays
- Real Time Clock
- Internal audible device
- Multiple languages setup
- Auto acknowledge
- Option RS485 MODBUS-RTU communication
- Option Ethernet interface MODBUS-TCP communication

# COMPALARM D2 - D2m

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TECHNICAL CHARACTERISTICS	D2	D2m
<b>AUXILIARY SUPPLY</b>		
Rated voltage	115 – 230 VAC	90÷260 VAC/DC
Frequency	50÷60 Hz	50÷60 Hz
Power consumption	4.5VA	4.5VA
<b>CHANNEL INPUTS</b>		
Number of inputs	16	16
Voltage inputs	24 – 48 – 115 – 230 VAC/DC	24 – 48 – 115 – 230 VAC/DC
Current input	5mA max	5mA max
Filter input	Digital	Digital
<b>DIGITAL OUTPUTS</b>		
Number of outputs	6	2
Nominal voltage	24 VDC	Up to 230 VAC/DC
<b>RS485 SERIAL INTERFACE</b>		
Baud-rate	Programmable 4800...115200 bps	Programmable 4800...115200 bps
Insulation	2.5 kV - 4 kV peak	2.5 kV - 4 kV peak
Protocols supported	MODBUS-RTU	MODBUS-RTU
<b>ETHERNET INTERFACE</b>		
Network interface	RJ45 Ethernet 10BASE-T or 100BASE-TX (auto-sensing)	RJ45 Ethernet 10BASE-T or 100BASE-TX (auto-sensing)
Protocols supported	HTTP, FTP, SMTP, MODBUS-TCP	HTTP, FTP, SMTP, MODBUS-TCP
<b>AMBIENT CONDITIONS</b>		
Operating temperature	-20÷ +60 °C	-20÷ +60 °C
Storage temperature	-30÷ +80 °C	-30÷ +80 °C
Relative humidity	<90%	<90%
<b>HOUSING</b>		
Material	Noryl UL V-0	Noryl UL V-0
Version	Flush mount	6 modules DIN rail
Dimensions w x h x d	96 x 96 x 65 mm	105 x 91 x 60 mm
Cutout	92 x 92 mm	-
Degree of protection	IP40	IP40
Weight	500 g	450 g
<b>COMPLIANCE</b>		
Reference standards	EMC 89/336/EEC - EN 50082-1 - EN 50082-2	

OPTION	D2 - D2m
ORDER CODE	DESCRIPTION
<b>C1</b>	Power supply 20÷60 VAC/DC
<b>C2</b>	Power supply 90÷260 VAC/DC (only for D2 model)
<b>IN24</b>	Voltage inputs 24 VAC/DC
<b>IN48</b>	Voltage inputs 48 VAC/DC
<b>IN115</b>	Voltage inputs 115 VAC/DC
<b>COMMUNICATION</b>	
<b>C2</b>	RS485 communication port
<b>IN24</b>	Ethernet interface
<b>IN48</b>	RS485 master communication port

# COMPALARM D2 - D2m

DISPLAY ALARM ANNUNCIATOR

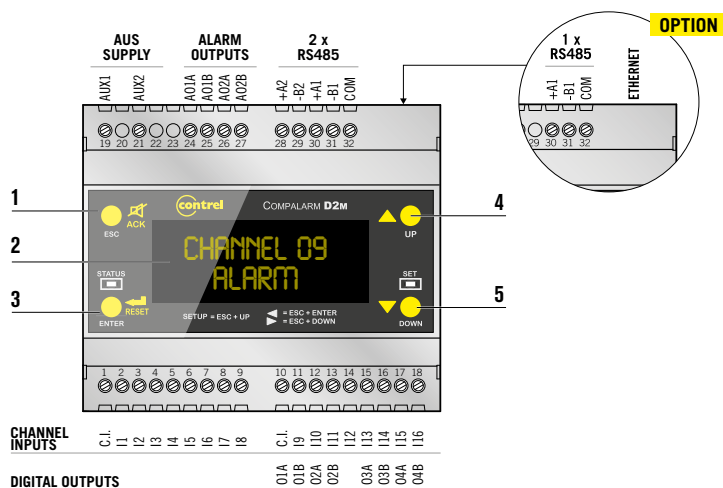
## FRONT PANEL D2



### LEGEND D2

1	LCD display
2	ACK key
3	RESET key
4	DOWN key
5	UP key

## FRONT PANEL AND CONNECTIONS D2m



### LEGEND D2m

1	ACK key
2	LCD display
3	RESET key
4	UP key
5	DOWN key

## DISPLAY

The device is supplied with an LCD display:

- resolution 128 x 64 pixel for Compalarm D2
- resolution 20 x 4 rows for Compalarm D2m

In normal conditions (without any alarms) the display shows the text defined by user, the date and time (A).

When an alarm is detected the display shows the associated text and internal alarm audible device rings (B).

The line on the top of display shows the channel input number.

The symbol in the upper left shows the status of the input channel:

- **Flashing bell:** alarm present not acknowledge
- **Fixed bell:** no alarm, not acknowledge
- **Flashing square:** acknowledge while alarm present
- **Fixed square:** acknowledge while alarm not present

Using the UP and DOWN keys, it's possible to view all the input channels in alarm.

