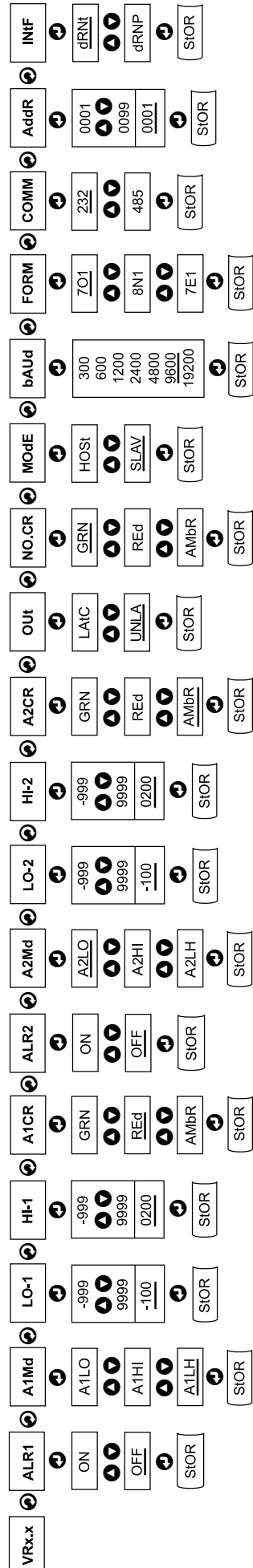


Below is a flowchart showing how to navigate through all menus by pressing front buttons.



DISPLAY ABBREVIATIONS

ALR1	Alarm 1 Status		
OFF	Alarm 1 set Off	ON	Alarm 1 set On
A1Md	Alarm 1 Mode		
A1LO	Alarm 1 Low	A1HI	Alarm 1 High
A1LH	Alarm 1 Low/High		
LO-1	Alarm 1 Low	-999..	Alarm 1 Low Value
		..9999	
HI-1	Alarm 1 High	-999..	Alarm 1 High Value
		..9999	
A1CR	Display color when Alarm 1 triggered		
GRN	Green Color	REd	Red Color
AMbR	Amber Color		
ALR2	Alarm 2 Status		
OFF	Alarm 2 set Off	ON	Alarm 2 set On
A2Md	Alarm 2 Mode		
A2LO	Alarm 2 Low	A2HI	Alarm 2 High
A2LH	Alarm 2 Low/High		
LO-2	Alarm 2 Low	-999..	Alarm 2 Low Value
		..9999	
HI-2	Alarm 2 High	-999..	Alarm 2 High Value
		..9999	
A2CR	Display color when Alarm 2 triggered		
GRN	Green Color	REd	Red Color
AMbR	Amber Color		
Out	Alarm Latched/Unlatched selection		
LAtC	Latched	UNLA	Unlatched
NO.CR	Display Color in Normal condition		
GRN	Green Color	REd	Red Color
AMbR	Amber Color		
MOdE	Data Flow Mode		
HOSt	Host Mode	SLAV	Slave Mode
bAUd	Baud Rate	300..	Baud Rate Value
		..19200	
FORM	Data Format		
7O1	7 Bit, Odd, 1 Stop Bit	7E1	7 Bit, Even, 1 Stop Bit
8N1	8 Bit, No parity, 1 Stop Bit		
COMM	Communication Standard		
232	RS-232 Standard	485	RS-485 Standard
AddR	Device Address	0000..	Address Value
		..0099	
INtF	Interface Device		
dRNt	DRN with Temperature Input	dRNp	DRN with Process Input
Miscellaneous:			
PEAK	Peak Value	VALL	Valley Value
PROC	Process Value	RUN	Run Mode
OVLd	Input Overload	StOR	Stored Message

- Note**
- In **Slave Mode** the Big Display will wait for commands and data from the Serial Bus.
 - In **Host Mode** the Big Display will send data automatically and continuously into the Serial Bus.
 - When used in **RS-485 Mode**, the device must be accessed with an appropriate **Address Value**.
 - Latched Mode:** Alarm remains latched until reset. To reset already latched alarm select any menu items and then press "up" or "down" button.

SPECIFICATION

Temperature Stability:
50 ppm/°C

Display:
6-digit, 7-segment LED, 57.2mm (2.25") with red, green and amber programmable colors.

Alarm:
Alarm 1 & 2 programmable, Latch/Unlatch, High, Low, High/Low

Power Supply:
100-240 Vac ±10%, 50/60 Hz, 22.5 W

Operating Temperature:
0 to 40°C

Storage Temperature:
-20 to 60°C

Relative Humidity:
0 to 85%

Protection:
NEMA-4x (IP65)

Dimensions:
394 L x 137 W x 73 D mm
(15.50" x 5.375" x 2.875")

Panel Cutout:
374 L x 116.8 W mm
(14.75" L x 4.60" W)

Weight:
2,040 g (4.5 lbs)

Approvals:
CE per EN61010-1:2001

SERIAL INTERFACE

Communication Standard:
RS-485, RS-422 or RS-232

Transfer speed (Baud rate):
300, 600, 1200, 2400, 4800, 9600, 19200 bps

Data Format:
7O1-7 bit, Odd, 1 stop bit, 7E1- 7 bit, even, 1 stop bit
8N1 – 8 bit, No parity, 1 stop bit

Multi-Point Address (RS-485):
0 to 199

Flow Control:
No Flow control

Screw terminals for RS-232/485/422 interface

WARNING: These products are not designed for use in, and should not be used for, patient-connected applications.

This device is marked with the international caution symbol. It is important to read the Setup Guide before installing or commissioning this device, as the guide contains important information relating to safety and EMC.

It is the policy of NEWPORT to comply with all worldwide safety and EMC/EMI regulations that apply. NEWPORT is constantly pursuing certification of its products to the European New Approach Directives. NEWPORT will add the CE mark to every appropriate device upon certification.

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If the unit malfunctions, it must be returned to the factory for evaluation. NEWPORT's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by NEWPORT, if the unit is found to be defective, it will be repaired or replaced at no charge. NEWPORT's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of NEWPORT's control. Components which wear are not warranted, including but not limited to contact points, fuses, and triacs.

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Direct all warranty and repair requests/inquiries to the NEWPORT Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO NEWPORT, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM NEWPORT'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence.

The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR WARRANTY RETURNS, please consult NEWPORT for current repair BEFORE contacting NEWPORT:

- Purchase Order number under which the product was PURCHASED,
- Model and serial number of the product under warranty, and
- Repair instructions and/or specific problems relative to the product.

FOR NON-WARRANTY REPAIRS, have the following information available BEFORE contacting NEWPORT:

- Purchase Order number to cover the COST the repair,
- Model and serial number of product, and
- Repair instructions and/or specific problems relative to the product.

NEWPORT's policy is to make running changes, not model changes, whenever an improvement is possible. This affords our customers the latest in technology and engineering.

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OPERATION MANUAL



iLD26-C2
Big Remote Display
with RS-232 Input

Series

For immediate technical or application assistance please

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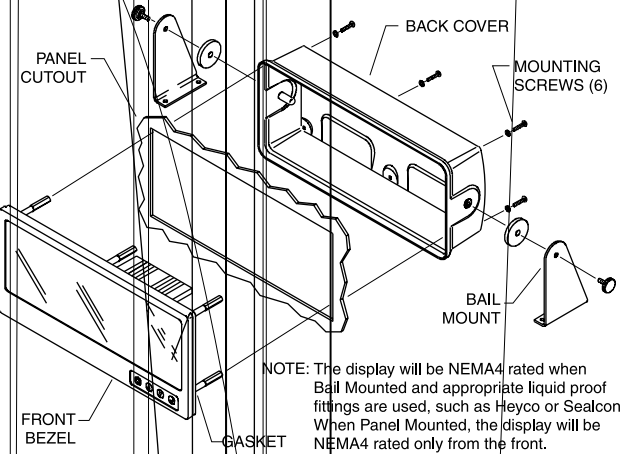
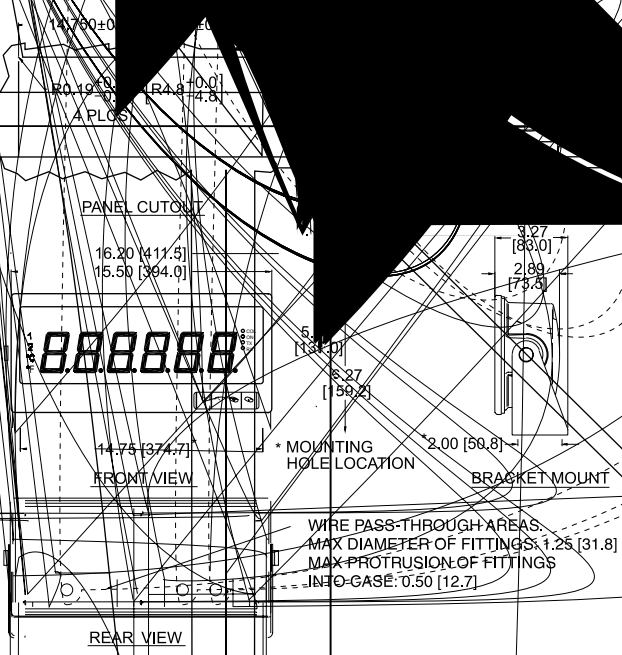
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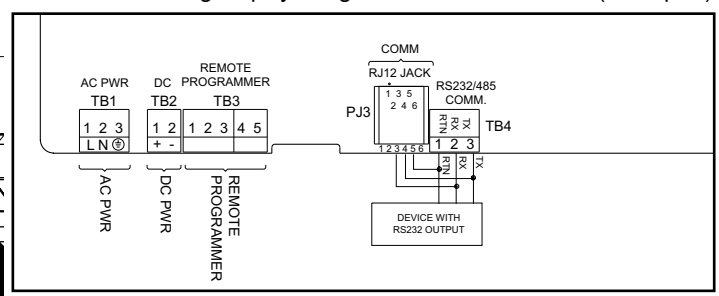
Note



WIRING

1. Wiring RS-232 Interface.

The RS-232 standard (point-to-point) allows a single device to be connected to the Big Display using a three-wire connection (full duplex).

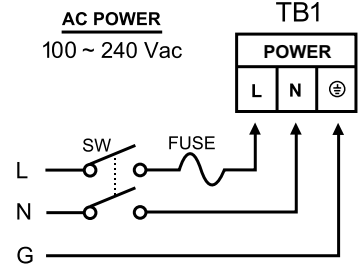


Device with RS-232 Pin Function	Large Remote Display	
	RJ-12	Screw Terminal
Receive (Rx)	4 (Tx)	3 (Tx)
Transmit (Tx)	3 (Rx)	2 (Rx)
Common Ground (COM)	5	1

Computer Card or Converter Box Pin Function	Device with RS-485 Pin Function	Remote Display	
		RJ-12	Screw Terminal
A, -Tx/-Rx	-Tx/-Rx	4	3
B, +Tx/+Rx	+Tx/+Rx	3	2
COM	COM		1

3. Power Connection.

Connect the main power connections as shown in the figure below.



OPERATIONS

1. Peak Value (Display in Host Mode)

- Press **▲** to request "Peak" value:
- a) RS-232 Mode, will send: *X02 (Interface DRNT), or *X03 (Interface DRNP)
 - b) RS-485 Mode, will send: *01X02 (Interface DRNT), or *01X03 (Interface DRNP)

Note: In the examples for RS-485 it is assumed that the device address is 01.

2. Valley Value (Display on Host Mode)

- Press **▼** to request "Valley" value.
- a) RS-232 Mode, will send: *X03 (Interface DRNT), or *X04 (Interface DRNP)
 - b) RS-485 Mode, will send: *01X03 (Interface DRNT), or *01X04 (Interface DRNP)

3. Process Value (Display on Host Mode)

- Press **■** to request "Process" Value.
- a) RS-232 Mode, will send: *X01
 - b) RS-485 Mode, will send: *01X01

4. Write alphanumeric characters to the Big Display from the computer (Display in Slave Mode)

- a) Single Big Display: (RS232) write 4(6) characters, then CR (carriage return)
- b) Multiple Big Display: (RS485) write *, device address (2 digit), CR, 4(6) characters, then CR

5. Display Color Setup (Alarm Setup)

This menu allows the user to select the color of the display in normal conditions and when alarm is triggered. If user wants the Display to change color every time when both Alarm 1 and Alarm 2 are triggered, the Alarm values should be set in such a way that Alarm 1 is always on the top of Alarm 2 value, otherwise value of the Alarm 1 will overwrite value of Alarm 2 and Display color would not change when Alarm 2 is triggered.

- Example 1:**
- Alarm 1 setup: "ON", Alarm Mode High "A1HI", Alarm High Value "HI-1"=400, Alarm Color "A1CR"=Amber
 - Alarm 2 setup: "ON", Alarm Mode High "A2HI", Alarm High Value "HI-2"=200, Alarm Color "A2CR"=Red
 - Normal Color: "NO.CR"=Green

Display colors change sequences:

