

Above is a flowchart showing how to navigate through all top level menus by pressing the 2 and 5 buttons.

Underline denotes factory default setup

# **DISPLAY COLOR SETUP (examples)**

# Example 1:

Alarm setup: Absolute, Above, Alarm 2 HI Value "ALR.H" =200, Alarm 1 HI Value "ALR.H"=400 Color Display setup: Normal Color "N.CLR"=Green, Alarm 1 Color "1.CLR"=Amber, Alarm 2 Color "2.CLR"=Red

**O** RD 10

Display colors change sequences:

GREEN	RED	A	MBER	
•- <b>&gt;</b> 0 AL2.I	• H=200 AL	1.H=400		
Example 2:				
<u>Set Point 1</u> : 200	)			
<u>Set Point 2</u> : 200	)			
<u>Alarm 1 setup</u> : I				
			= 10", "ALR.L = 5"	
Color Display se	<u>etup</u> : "N.CLR"=0	Green, "1.C	CLR"=Amber,	

Display colors change sequences:

	•	EEN   GRE	•	•	
0				220	

#### **SPECIFICATION**

Accuracy:

0.03% rda

Resolution:

10 / 1 µV process

Linearization Points:

10 points

Temperature Stability:

50 ppm/°C process

Display:

4-digit, 9-segment LED, 10.2 mm (0.40") with red, green and

#### Input Types:

amber programmable colors Analog Voltage and Current

# Voltage:

0 to 100 mV, 0 to 1 V (±100 mV), 0 to 10 Vdc

#### Input Impedance:

10  $M\Omega$  for 100 mV

1 MΩ for 1 or 10 Vdc

0 to 20 mA (5 Ω load)

Output 11:

Relay 250 Vac @ 3 A Resistive Load, SSR. Pulse

Output 21:

Relay 250 Vac @ 3 A Resistive Load, SSR Pulse

† Only with -AL Limit Alarm optio

Options: Communication RS-232 / RS-485 or

Excitation: 5 Vdc @ 40 mA 10 Vdc @ 60 mA

Exc. not available for Low Power Option

#### Line Voltage/Power:

90 - 240 Vac ±10%, 50 - 400 Hz\*.

or 110 - 375 Vdc, 4 W \* No CE compliance above 60 Hz

Low Voltage Power Option:

12 - 36 Vdc. 3 W\*\*

\*\* Units can be powered safely with 24 Vac but No Certification for CE/UL are claimed

#### Dimensions:

25.4 H x 48 W x 126.3 D mm (1.0 x 1.89 x 5")

## Weight:

127 g (0.28 lb)

#### Approvals:

UL, C-UL, and CE per EN61010-1:2001

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

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

FOR <u>WARRANTY</u> RETURNS, please consult NEWPORT for current repair BEFORE contacting NEWPOR

- 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 charges. Have the following information available BEFORE contacting NEWPORT
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  - 2. Model and serial number of product,
  - Repair instructions and/or specific problems relative to the product.

MQS3535/N/0307

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# **Process / Strain Gauge Monitor / Limit Alarm (-AL)**

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This Quick Start Reference provides information on setting up your instrument for basic operation. The latest complete Communication and Operational Manual as well as free Software and ActiveX Controls are available at <a href="https://www.newportUS.com/i">www.newportUS.com/i</a> or on the CD-ROM enclosed with your shipment.

## **SAFETY CONSIDERATION**



This device is marked with the international Caution symbol.

The instrument is a panel mount device protected in accordance with EN 61010-1:2001, electrical safety requirements for electrical equipment for measurement, control and laboratory. Remember that the unit has no power-on switch. Building installation should include a switch or circuit-breaker that must be compliant to IEC 947-1 and 947-3.

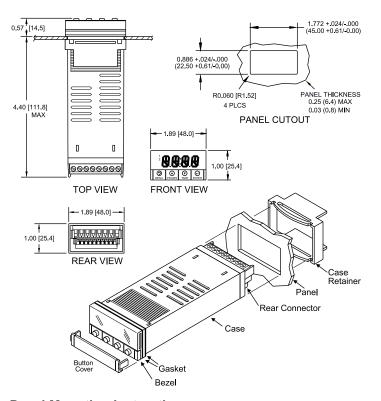
## SAFETY:

- Do not exceed voltage rating on the label located on the top of the instrument housing.
- Always disconnect power before changing signal and power connections.
- Do not use this instrument on a work bench without its case for safety reasons.
- Do not operate this instrument in flammable or explosive atmospheres.
- Do not expose this instrument to rain or moisture.

# EMC:

- Whenever EMC is an issue, always use shielded cables.
- Never run signal and power wires in the same conduit.
- Use signal wire connections with twisted-pair cables.
- Install Ferrite Bead(s) on signal wire close to the instrument if EMC problems persist.

#### **MOUNTING**



## **Panel Mounting Instruction:**

- 1. Using the dimensions from the panel cutout diagram shown above, cut an opening in the panel.
- Insert the unit into the opening from the front of the panel, so the gasket seals between the bezel and the front of the panel.
- **3.** Slide the retainer over the rear of the case and tighten against the backside of the mounting panel.

## **Disassembly Instruction:**

If necessary, the unit may be removed from the panel and opened.



Warning: Disconnect all ac power from the unit before proceeding.

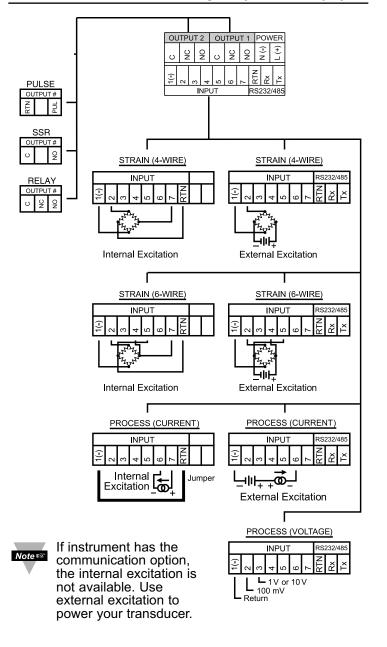
- **1.** Make sure the AC power is disconnected.
- 2. Remove all wiring connections from the rear of the meter. To remove power and input connectors bend the side panel detents on the case outward to release the connectors, then pull connectors from the meter.
- 3. To remove meter from the case, squeeze left and right sides of the bezel to release, then pull from case.

## **WIRING**

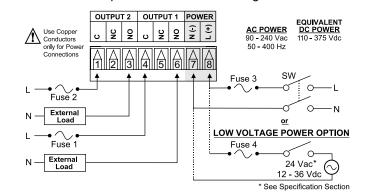
Wire the instrument according to the figure shown below.



Warning: Do not connect ac power to your device until you have completed all input and output connections. This device must only be installed by a specially trained electrician with corresponding qualifications. Failure to follow all instructions and warnings may result in injury!



Connect the main power connections in the figure shown below.



FUSE	Connector	Output Type	For 115Vac	For 230Vac	DC
FUSE 1	Output 1	Relay	3 A(T)	3 A(T)	-
FUSE 2	Output 2	Relay	3 A(T)	3 A(T)	-
FUSE 3	Power	N/A	100 mA(T)	100 mA(T)	100 mA(T)
FUSE 4	Power	N/A	N/A	N/A	400 mA(T)



Output 1 and 2 are for -AL Limit Alarm Option only.

#### CONFIGURATION

Button Functions in Configuration Mode

		-
	•	To enter the Menu, the user must first press ②
		button.
•	•	Use this button to advance/navigate to the next
MENU		menu item. The user can navigate through all the
		top level menus by pressing <b>②</b> .
	•	While a parameter is being modified, press <b>②</b> to
		escape without saving the parameter.
	•	Press the up 4 button to scroll through "flashing"
		selections. When a numerical value is displayed
		press this key to increase value of a parameter
0		that is currently being modified.
PK/GRS	•	Holding the <b>O</b> button down for approximately
(UP)		3 seconds will speed up the rate at which the
		setpoint value is incremented.
	•	In the Run Mode pressing • causes the display to
		flash the PEAK or GROSS value – press again to
		return to the Run Mode.
	•	Press the down ♥ button to go back to a previous
		Top Level Menu item.
	•	Press this button twice to reset the controller to
		the Run Mode.
	•	When a numerical value is flashing (except
		setpoint value) press of to scroll digits from left to
0		right allowing the user to select the desired digit to
TARE		modify.
(DOWN)	•	When a setpoint value is displayed press ♥ to
		decrease value of a setpoint that is currently being
		modified. Holding the <b>O</b> button down for
		approximately 3 seconds will speed up the rate at
		which the setpoint value is decremented.
	•	In the Run Mode pressing • causes the display to
		flash TARE value to tare your reading (zeroing).
	•	Press the enter <b>②</b> button to access the submenus
		from a Top Level Menu item.
	•	Press <b>②</b> to store a submenu selection or after
		entering a value — the display will flash a 5 t R d
0		message to confirm your selection.
ENTER	•	To reset flashing PEAK or GROSS press ②.
	•	In the Run Mode, press ② twice to enable
		Standby Mode with flashing 5 t b 9.



Reset: Except for Alarms, modifying any settings of the menu configuration will reset the controller prior to resuming Run Mode.

#### **DISPLAY ABBREVIATIONS**

SP1	Set Point 1 Value	SP2	Set Point 2 Value
CNFG	Configuration Menu	INPt	
INPt	Input Type (range)	0 - 0.1	100 mV Input Voltage
0 - 1.0	1 V Input Voltage	0 - 10	10 V Input Voltage
		0 - 10	10 v Input voltage
0 - 20	20 mA Input Current	DE00	D: 1 D 1 !!
Rtio	Ratiometric Operation	RESO	Display Resolution
bUtN	Button Peak/Gross	PEAk	Peak Value
GROS	Gross Value		
RdG	Reading Configuration		
dEC	Decimal Point	F.FFF	Decimal Point
		FFFF	Position
LOAd	Input Load	EnbL	Scaling with Knowr
			Loads (Actual Value
DSbL	Scaling without Known	L.PNt	Linearization Points
5055	Loads (Calculated Value)		Lineanzadon i omio
0002	Number of Linearization	FLtR	Filter Constant
0010		FLIK	Filler Constant
0001	Filter Constant Value	IN.Rd	Input/Reading Scale
	Filler Constant value	IN.Ru	
0128	1	<b>D</b> 1 4	and Offset Menu
IN 1	Input 1	Rd 1	Reading 1
IN 2	Input 2	Rd 2	Reading 2
ALR1	Alarm 1 Menu	AbSo	Absolute Mode
_dEV	Deviation Mode	LtcH	Latched Mode
UNLt	Unlatched Mode	Ct.CL	Contact Closure
N.o.	Normally Open	N.c.	Normally Closed
ActV	Active Type	AboV	Active Above
bELo	Active Below	Hi.Lo	Above High/Below
DELO	Active Below	III.LO	Low
bANd	Above or Below Band	A D a N	Alarm Enable/Disable
DANG	Above of Below Bariu	A.P.ON	
	Alexander Malex	A 1 B 11	at Power On
	Alarm Low Value	ALK.H	Alarm High Value
	Alarm 2 Menu		
	Set Point Deviation		
Id	ID Code Menu	CH.ld	Change ID Code
FULL	Full ID	SP.Id	Set Point ID
	0 ' ' 0 ' *	NIGNIE	O
COMM	Communication Option*	NONE	Communication is
COMM	Communication Option <sup>*</sup>	NONE	Not Installed
C.PAR	•	bAUd	
	Communication		Not Installed
C.PAR	Communication Parameters	bAUd	Not Installed Baud Rate
C.PAR PRtY	Communication Parameters Parity	bAUd odd_	Not Installed Baud Rate Odd
C.PAR PRtY EVEN	Communication Parameters Parity Even	bAUd odd_ _No_	Not Installed Baud Rate Odd No
C.PAR PRtY EVEN dAtA	Communication Parameters Parity Even Data Bit	bAUd oddNo_ 7.bit	Not Installed Baud Rate  Odd No 7 Data Bit
C.PAR PRtY EVEN dAtA 8.bit	Communication Parameters Parity Even Data Bit 8 Data Bit	bAUd oddNo_ 7.bit StOP	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit
C.PAR PRtY EVEN dAtA 8.bit 1.bit	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit	odd_ No_ 7.bit StOP 2.bit	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format	odd_ No_ 7.bit StOP 2.bit M.bus	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F _LF_	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed	bAUd  oddNo_ 7.bit StOP 2.bit M.bus ECHO	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication	odd_ No_ 7.bit StOP 2.bit M.bus	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F LF StNd	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard	odd_ _No_ 7.bit StOP 2.bit M.bus ECHO 232C	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F LF StNd 485_	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard RS-485	bAUd  oddNo_ 7.bit StOP 2.bit M.bus ECHO 232C  ModE	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232  Data Flow Mode
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F LF StNd 485_ CMd_	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard RS-485 Command Mode	bAUd  oddNo_ 7.bit StOP 2.bit M.bus ECHO 232C  ModE CoNt	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F LF StNd 485_	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard RS-485	bAUd  oddNo_ 7.bit StOP 2.bit M.bus ECHO 232C  ModE	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232  Data Flow Mode
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F LF StNd 485_ CMd_	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard RS-485 Command Mode	bAUd  oddNo_ 7.bit StOP 2.bit M.bus ECHO 232C  ModE CoNt	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232  Data Flow Mode Continuous Mode
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F LF_ StNd 485_ CMd_ SEPR	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard RS-485 Command Mode Data Separation Character	bAUd  oddNo_ 7.bit StOP 2.bit M.bus ECHO 232C  ModE CoNt SPCE	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232  Data Flow Mode Continuous Mode Space
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F LF_ StNd 485_ CMd_ SEPR _cR_	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard RS-485 Command Mode Data Separation Character Carriage Return	bAUd  oddNo_ 7.bit StOP 2.bit M.bus ECHO 232C  ModE CoNt SPCE	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232  Data Flow Mode Continuous Mode Space  Data Format
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F LF_ StNd 485_ CMd_ SEPR	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard RS-485 Command Mode Data Separation Character	bAUd  oddNo_ 7.bit StOP 2.bit M.bus ECHO 232C  ModE CoNt SPCE	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232  Data Flow Mode Continuous Mode Space  Data Format Transmit Reading
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F LF StNd 485 CMd SEPRCRstAt	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard RS-485 Command Mode Data Separation Character Carriage Return Alarm Status	bAUd oddNo_ 7.bit StOP 2.bit M.bus ECHO 232C ModE CoNt SPCE dAt.F RdNG	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232  Data Flow Mode Continuous Mode Space  Data Format Transmit Reading Value
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F LF_ StNd 485_ CMd_ SEPR _cR_	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard RS-485 Command Mode Data Separation Character Carriage Return	bAUd  oddNo_ 7.bit StOP 2.bit M.bus ECHO 232C  ModE CoNt SPCE	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232  Data Flow Mode Continuous Mode Space  Data Format Transmit Reading Value Transmit Gross
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F _LF_ StNd  485_ CMd_ SEPR _cR_ stAt  PEAk	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard RS-485 Command Mode Data Separation Character Carriage Return Alarm Status Transmit Peak Value	bAUd odd_ No_ 7.bit StOP 2.bit M.bus ECHO 232C ModE CoNt SPCE dAt.F RdNG GROS	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232  Data Flow Mode Continuous Mode Space  Data Format Transmit Reading Value Transmit Gross Value
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F _LF_ StNd  485_ CMd_ SEPR _cR_ stAt PEAk UNit	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard RS-485 Command Mode Data Separation Character Carriage Return Alarm Status Transmit Peak Value Units of Measurement	bAUd oddNo_ 7.bit StOP 2.bit M.bus ECHO 232C ModE CoNt SPCE dAt.F RdNG	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232  Data Flow Mode Continuous Mode Space  Data Format Transmit Reading Value Transmit Gross
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F LF_ StNd 485_ CMd_ SEPRCR_ stAt PEAk UNit tR.tM	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard RS-485 Command Mode Data Separation Character Carriage Return Alarm Status Transmit Peak Value Units of Measurement Transmit Color Selection	bAUd  oddNo_ 7.bit StOP 2.bit M.bus ECHO 232C  ModE CoNt SPCE dAt.F RdNG GROS AddR	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232  Data Flow Mode Continuous Mode Space  Data Format Transmit Reading Value Transmit Gross Value Multipoint Address
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F LF_ StNd 485_ CMd_ SEPR _cR_ stAt PEAk UNit tR.tM COLR	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard RS-485 Command Mode Data Separation Character Carriage Return Alarm Status Transmit Peak Value Units of Measurement Transmit Color Selection Display Color Selection	bAUd  oddNo_ 7.bit StOP 2.bit M.bus ECHO 232C  ModE CoNt SPCE dAt.F RdNG GROS AddR  N.CLR	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232  Data Flow Mode Continuous Mode Space  Data Format Transmit Reading Value Transmit Gross Value Multipoint Address  Normal Color Displai
C.PAR  PRtY EVEN dAtA 8.bit 1.bit bus.F LF StNd  485 CMd SEPR cR stAt  PEAk UNit tR.tM COLR 1.CLR	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard RS-485 Command Mode Data Separation Character Carriage Return Alarm Status Transmit Peak Value Units of Measurement Transmit Color Selection Display Color Display	bAUd  oddNo_ 7.bit StOP 2.bit M.bus ECHO 232C  ModE CoNt SPCE dAt.F RdNG GROS AddR  N.CLR 2.CLR	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232  Data Flow Mode Continuous Mode Space  Data Format Transmit Reading Value Transmit Gross Value Multipoint Address  Normal Color Displa Alarm 2 Color Displa
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F LF_ StNd 485_ CMd_ SEPR _cR_ stAt PEAk UNit tR.tM COLR	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard RS-485 Command Mode Data Separation Character Carriage Return Alarm Status Transmit Peak Value Units of Measurement Transmit Color Selection Display Color Selection	bAUd  oddNo_ 7.bit StOP 2.bit M.bus ECHO 232C  ModE CoNt SPCE dAt.F RdNG GROS AddR  N.CLR	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232  Data Flow Mode Continuous Mode Space  Data Format Transmit Reading Value Transmit Gross Value Multipoint Address  Normal Color Displa
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F LF StNd 485_ CMd_ SEPR cR_ stAt PEAk UNit tR.tM COLR 1.CLR REd	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard RS-485 Command Mode Data Separation Character Carriage Return Alarm Status Transmit Peak Value Units of Measurement Transmit Color Selection Display Color Display	bAUd  oddNo_ 7.bit StOP 2.bit M.bus ECHO 232C  ModE CoNt SPCE dAt.F RdNG GROS AddR  N.CLR 2.CLR	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232  Data Flow Mode Continuous Mode Space  Data Format Transmit Reading Value Transmit Gross Value Multipoint Address  Normal Color Displa Alarm 2 Color Displa
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F LF StNd 485_ CMd_ SEPR cR_ stAt PEAk UNit tR.tM COLR 1.CLR REd GRN	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard RS-485 Command Mode Data Separation Character Carriage Return Alarm Status Transmit Peak Value Units of Measurement Transmit Color Selection Display Color Selection Alarm 1 Color Display Display Color is Red	bAUd  oddNo_ 7.bit StOP 2.bit M.bus ECHO 232C  ModE CoNt SPCE dAt.F RdNG GROS AddR  N.CLR 2.CLR	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232  Data Flow Mode Continuous Mode Space  Data Format Transmit Reading Value Transmit Gross Value Multipoint Address  Normal Color Displa Alarm 2 Color Displa Display Color is
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F LF StNd 485_ CMd_ SEPR cR_ stAt PEAk UNit tR.tM COLR 1.CLR REd	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard RS-485 Command Mode Data Separation Character Carriage Return Alarm Status Transmit Peak Value Units of Measurement Transmit Color Selection Display Color Selection Alarm 1 Color Display Display Color is Red	bAUd  oddNo_ 7.bit StOP 2.bit M.bus ECHO 232C  ModE CoNt SPCE dAt.F RdNG GROS AddR  N.CLR 2.CLR	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232  Data Flow Mode Continuous Mode Space  Data Format Transmit Reading Value Transmit Gross Value Multipoint Address  Normal Color Displat Alarm 2 Color Displat Display Color is
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F LF StNd 485_ CMd_ SEPR cR_ stAt PEAk UNit tR.tM COLR 1.CLR REd GRN	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard RS-485 Command Mode Data Separation Character Carriage Return Alarm Status Transmit Peak Value Units of Measurement Transmit Color Selection Display Color Selection Alarm 1 Color Display Display Color is Red	bAUd  oddNo_ 7.bit StOP 2.bit M.bus ECHO 232C  ModE CoNt SPCE dAt.F RdNG GROS AddR  N.CLR 2.CLR AMbR	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232  Data Flow Mode Continuous Mode Space  Data Format Transmit Reading Value Transmit Gross Value Multipoint Address  Normal Color Displa Alarm 2 Color Displa Display Color is Amber
C.PAR PRtY EVEN dAtA 8.bit 1.bit bus.F LF StNd 485_ CMd_ SEPR cR_ stAt PEAk UNit tR.tM COLR 1.CLR REd GRN dSbL	Communication Parameters Parity Even Data Bit 8 Data Bit 1 Data Bit Bus Format Line Feed Communication Standard RS-485 Command Mode Data Separation Character Carriage Return Alarm Status Transmit Peak Value Units of Measurement Transmit Color Selection Display Color Selection Alarm 1 Color Display Display Color is Red Display Color is Green Disable Error	bAUd  oddNo_ 7.bit StOP 2.bit M.bus ECHO 232C  ModE CoNt SPCE dAt.F RdNG GROS AddR  N.CLR 2.CLR AMbR  ENbL + OL	Not Installed Baud Rate  Odd No 7 Data Bit Stop Bit 2 Stop Bit Modbus Protocol Echo RS-232  Data Flow Mode Continuous Mode Space  Data Format Transmit Reading Value Transmit Gross Value Multipoint Address  Normal Color Displa Alarm 2 Color Displa Display Color is Amber