DISPLAY ABBREVIATIONS

ALR1 Alarm 1 Status
OFF Alarm 1 set Off
ON Alarm 1 set On
A1Md Alarm 1 Mode
A1Lo Alarm 1 Low
A1H Alarm 1 High
A1Lo Alarm 1 Low/High
LO-1 Alarm 1 Low
HI-1 Alarm 1 High
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
A2H Alarm 2 High
A2Lo Alarm 2 Low/High
LO-2 Alarm 2 Low
HI-2 Alarm 2 High
A2CR Display color when Alarm 2 triggered
GRN Green Color
RED Red Color
AMBR Amber Color
MODE Data Flow Mode
HOST Host Mode
SLAV Slave Mode
BAUD Baud Rate
RS-232 Standard
FORM Data Format
7 Bit, Odd
1 Stop Bit
7E1 7 Bit, Even
1 Stop Bit
SN1 8 Bit, No parity
1 Stop Bit
COMM Communication Standard
RS-485 Standard
Addr Device Address
0000-0099
INF Interface Device
dDNR DRN with Temperature Input
dDRP DRN with Process Input
Miscellaneous
PEAK Peak Value
VALU Valley Value
PRC Process Value
RUN Run Mode
OVLD Input Overload
STOR Stored Message

SPECIFICATION

Temperature Stability: 50 ppm/°C
Display: 4-digit, 7-segment LED, 12.7mm (0.5") with red, green and amber colorable characters.
Alarm: Alarm 1 & 2 programmable, Latch/Unlock, High, Low, Low/Low
Alarm 1 set Off
Alarm 1 set On
Alarm 1 Low
Alarm 1 High
Alarm 1 Low Value
Alarm 1 High Value
Alarm 1 Triggered
Alarm 1 Low Value
Alarm 1 High Value
Display color when Alarm 1 triggered
Green Color
Red Color
Amber Color
Display color when Alarm 2 triggered
Green Color
Red Color
Amber Color
Data Format:
7E1-7E1, Odd, 1 stop bit, 7E1-7E1, even, 1 stop bit
Data Rate:
None, 8 bit, no parity, 1 stop bit
Multi-Point Address (RS-485):
0 to 199
Flow Control:
No Flow control

SERIAL INTERFACE

Communication Standard:
RS-485, RS-422 or RS-232
Transfer speed (Baud rate):
9600, 19200, 38400, 57600, 115200

OPERATION MANUAL

iSeries

Big Remote Display
with RS-232 Input

For immediate technical or application assistance please call:

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Mounting Big Display on Bail:

1. Use the big display template to mark the location of mounting screws on the flat surface.
2. Be sure to leave enough room around the bail (as noted on the template drawing) to allow for removal and rotation of the display.
3. The display can be rotated for the best viewing angle.

Disassembly Instruction:

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

1. Remove all wiring connections from the rear of the instrument, by unscrewing the power and input connectors.
2. Remove six screws at the back of the display and back cover.
3. Remove the Big Display from the panel.
4. To remove the Big Display from the bail, unscrew the two screws at each end of the mounting brackets.

WIRING


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).

2. Wiring RS-485 Interface.

The RS-485 standard (multipoint) allows a computer, one or more devices and Big Displays (up to 32) to be connected using a two-wire connection (half-duplex) plus a common wire to connect to the shield of the cable. It is recommended to use shielded cable with one twisted pair for EMI noise protection.

Mounting Big Display Through Panel:

1. Using the panel cutout diagram shown above, cut an opening in the panel.
2. Remove six screws at the back of Big Display to remove back cover.
3. 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.
4. Align back cover to Big Display and reinstall screws.

Connections to the computer are optional.