HI 2151/30WC REMOTE MOUNT (-RM CONFIGURATION)

RECOMMENDED PANEL CUTOUT FOR REMOTE DISPLAY

REMOTE DISPLAY RIBBON CABLE LENGTH: 55.00 [1397.00]

MOUNTING BRACKETS MAY BE INSTALLED AT ALTERNATE LOCATIONS SHOWN.

1. SEE SHEET 2 FOR CABLE TERMINATIONS.
2. SEE SHEET 2 FOR CABLE TERMINATIONS.
3. INTERCONNECT WIRING FOR UNITS INSTALLED IN HAZARDOUS LOCATIONS TO BE PER NATIONAL ELECTRICAL CODE (ANSI/NFPA-70).

NOTES: UNLESS OTHERWISE SPECIFIED

CD=CERTIFICATION
CT=COMMENTS
PR=PART NUMBER
SN=SERIES NUMBER
W=WORK CENTER
X=DISCARD

D 21316 0584-0032 C

HI 2151/30WC- RM

I/I DIAGRAM,
J6 Power Input

NOTES:
1. DO NOT RUN LOAD CELL CABLE PARALLEL TO, OR IN SAME CONDUIT WITH, POWER WIRING, RELAY CABLE OR OTHER HIGH ENERGY CABLES.
2. FACTORY INSTALLED JUMPERS TO REMAIN IN PLACE FOR FOUR WIRE LOAD CELL CONNECTIONS. JUMPERS TO BE REMOVED FOR SIX WIRE OR EIGHT WIRE (C2) LOAD CELL CONNECTIONS. EXCITATION AND SENSE WIRES TO BE CONNECTED TOGETHER IN JUNCTION BOX.
3. REQUIRED LOAD CELL CABLE FOR C2 SECOND GENERATION CALIBRATION SYSTEM: HARDY INSTRUMENTS P/N 6020-0001.
4. SEE 0596-0224 OPERATION AND INSTALLATION MANUAL FOR ADDITIONAL INFORMATION ON LOAD CELL CONNECTIONS.

J2 Remote Functions

NOTES:
1. MOMENTARY FUNCTIONS REQUIRE 100 mSEC OR GREATER TO GND FOR PROPER ACTIVATION, ONLY USE REMOTE FUNCTIONS GROUND (J2 PIN 9) FOR ACTIVATING REMOTE FUNCTION.
2. REMOTE FUNCTIONS ARE NOT ISOLATED. DO NOT BUNDLE WIRING FROM REMOTE FUNCTIONS WITH POWER WIRING, RELAY CABLE OR ANY OTHER HIGH ENERGY CABLES.
3. WIRE SIZE: 22 AWG MIN / 12 AWG MAX.

J5 Relays

NOTES:
1. RELAY CONTACT RATING: 3 AMPS @ 125 VAC MAX
1.5 AMPS @ 250 VAC MAX NON-FUSED
2. WIRE SIZE: 22 AWG MIN / 12 AWG MAX.

J3 Serial Port Connections

NOTES:
1. CUSTOMER TO SELECT DESIRED SERIAL PORT INTERFACE OPTION WHEN ORDERING UNIT.
2. DIAGRAMS SHOWN DEPICT FACTORY DEFAULT S1 DIP SWITCH SETTINGS ONLY. REFER TO 0596-0224 OPERATION AND INSTALLATION MANUAL FOR DIP SWITCH SETTINGS CONCERNING SPECIFIC SERIAL PORT INTERFACE APPLICATIONS.
3. MAIN CONTROLLER PCB LOCATED INSIDE UNIT. REFER TO 0596-0224 OPERATION AND INSTALLATION MANUAL FOR ACCESS TO S1 DIP SWITCH AND JP1 JUMPER BLOCK.
4. WIRE SIZE: 22 AWG MIN / 12 AWG MAX.
REMOTE I/O INTERFACE FOR ALLEN-BRADLEY NETWORK OPTION

TRANSMISSION BAUD RATE SELECTION CHART

<table>
<thead>
<tr>
<th>BAUD</th>
<th>JUMPER</th>
</tr>
</thead>
<tbody>
<tr>
<td>57.6 AND 115.2K</td>
<td>W1</td>
</tr>
<tr>
<td>230.4K</td>
<td>W2</td>
</tr>
</tbody>
</table>

* STANDARD CONFIGURATION: 57.6 AND 115.2K BAUD

NOTE: FOR MORE INFORMATION, REFER TO 0596-0173 OPERATION AND INSTALLATION MANUAL.

LUG ON GREEN WIRE MUST BE ATTACHED TO INSTRUMENT PANEL GREEN WIRE AND LUG SUPPLIED BY HARDY INSTRUMENTS.

MAXIMUM CABLE LENGTHS (FOR REMOTE I/O OPTION):
- 150 OHM @ 57.6K BAUD - 10,000 FT (3048 M)
- 150 OHM @ 115.2K BAUD - 5,000 FT (1524 M)
- 82 OHM @ 230.4K BAUD - 2,500 FT (762 M)

NOTE: FOR MORE INFORMATION, REFER TO 0596-0173 OPERATION AND INSTALLATION MANUAL.

BCD OPTION
Option Port 2 Only

WIRING: 40 POSITION RIBBON CABLE (SUPPLIED BY HARDY INSTRUMENTS)

PRINT POLARITY
SELECT
   PRINT
   W1
   W2

* STANDARD CONFIGURATION: PRINT

NOTE: FOR MORE INFORMATION, REFER TO 0596-0224 OPERATION AND INSTALLATION MANUAL.

ANALOG OUTPUT OPTION

WIRE SIZE: 12 AWG - 22 AWG

JUMPER CONFIGURATION CHART

<table>
<thead>
<tr>
<th>CURRENT SELECTION</th>
<th>VOLTAGE SELECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 20mA</td>
<td>W1 0 - 5 VDC</td>
</tr>
<tr>
<td>4 - 20mA</td>
<td>W2 0 - 10 VDC</td>
</tr>
</tbody>
</table>

* STANDARD CONFIGURATION: 4 - 20mA, 0 - 10 VDC

NOTE: FOR MORE INFORMATION, REFER TO 0596-0224 OPERATION AND INSTALLATION MANUAL.

PROFIBUS OPTION

Option Port

PROFIBUS PINOUT

<table>
<thead>
<tr>
<th>1</th>
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<tbody>
<tr>
<td>2</td>
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</tr>
<tr>
<td>3</td>
<td>RXD/TXD-P</td>
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<tr>
<td>4</td>
<td>CNT-R-P</td>
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<td>GND</td>
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<td>+5V</td>
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<tr>
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<td>NC</td>
</tr>
<tr>
<td>8</td>
<td>RXD/TXD-N</td>
</tr>
<tr>
<td>9</td>
<td>NC</td>
</tr>
</tbody>
</table>

NOTE: FOR MORE INFORMATION, REFER TO 0596-0231-01 OPERATION AND INSTALLATION MANUAL.

TTL OUTPUT OPTION
(Used To Drive Optional Relays)

TTL OUTPUTS: 300mA PER LINE (NON-FUSED)
WIRING: CABLE SUPPLIED BY HARDY INSTRUMENTS