

L160 Custom Configuration

1 Introduction

ABB can supply custom configurations for the L160 Level Indicator on request.

Enter the required setting or place a check mark (✓) against the relevant parameters in the following tables and return this document to the Global Sales office at Stonehouse.

2 Basic Hardware and Configuration

2.1 Hardware Assignment and Input Type

Referring to Section 4.3.1 of the User Guide (IM/L160), enter the setting required for each of the following parameters:

Frequency		Relay 1 Source	Relay 2 * Source	Relay 3 * Source	Logic Output Source	Analog Output Source	✓ Required Configuration
50 Hz	60 Hz						
<i>i</i>	<i>fl</i>	Alarm 1	Alarm 2	Alarm 3	Input Fail	Measured Level	
<i>z</i>	<i>b</i>	Alarm 1	Alarm 2	Alarm 3	Input Fail	Measured Level Average	
<i>U</i>		Custom	Custom	Custom	Custom	Custom	

* Available only if the appropriate option board is fitted

Continued...

Input Type Configuration (✓ the input type required)

4 to 20 mA	
1 to 10 mA (P851, P861 sensor)	
Custom	

Decimal Places (✓ the number of decimal places required)

0	
1	
2	
3	
4	

2.2 Alarms and Set Points

Referring to Section 4.3.2 of the User Guide (IM/L160), enter the setting required for each of the following parameters:

Alarm 1 Type (✓ the alarm type required)

None	
High Process	
Low Process	
High Latch	
Low Latch	
Fast Rate	
Slow Rate	

Alarm 1 Trip (enter the Alarm 1 trip point value)

Alarm 2 Type (✓ the alarm type required)

None	
High Process	
Low Process	
High Latch	
Low Latch	
Fast Rate	
Slow Rate	

Alarm 2 Trip (enter the Alarm 2 trip point value)

Alarm 3 Type (✓ the alarm type required)

None	
High Process	
Low Process	
High Latch	
Low Latch	
Fast Rate	
Slow Rate	

Alarm 3 Trip (enter the Alarm 3 trip point value)

Alarm Hysteresis (enter the Alarm hysteresis value)

2.3 Digital Input and Serial Communications

Referring to Section 4.3.4 of the User Guide (IM/L160), enter the setting required for each of the following parameters:

Digital Input Functions (✓ the function required)

None	
Average, Max./Min. Reset	
Front Panel Lockout	
Alarm Acknowledge	

Analog Input Filter (✓ the filter value required)

0 Seconds	
1 Second	
2 Seconds	
5 Seconds	
10 Seconds	
20 Seconds	
40 Seconds	
60 Seconds	

Serial Communication Configuration (✓ the configuration required)

Off	
2400 Baud, 2-wire	
2400 Baud, 4-wire	
9600 Baud, 2-wire	
9600 Baud, 4-wire	

Serial Communication Parity (✓ the parity required)

None	
Odd	
Even	

2.4 Ranges and Passwords

Referring to Section 4.4 of the User Guide (IM/L160), enter the value required for each of the following parameters:

Engineering Range (enter the values required)

High	
Low	

Retransmission Range (enter the values required)

High	
Low	

Volume Constant (enter the value required)

Set Up Password

(enter the password required between 0 and 9999)

Configuration Password

(enter the password required between 0 and 9999)

Modbus Address

(enter the address required between 0 and 99)

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Printed in UK (12.08)

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