

Model 26 Quick Start Guide

Rev 05/14/2013

This document presents a quick overview on how to use the two button controls (**OK**, and **Mode**) for operating and editing parameters on the Ludlum Model 26. See the manual for complete detail.

1 – Turn On

Momentarily press **OK** button

2 – Turn Off

Hold down **OK** button until it completes 3 second countdown.

3 – Changing Modes

Press **MODE** button to cycle through all preselected modes

4 – Initiate Scaler Mode

Change to Scaler Mode, then press **OK** to begin pre-programmed count time.

5 – Acknowledge Alarms

Press **OK** button.

6 - Initiating Setup

To enter setup mode, power down the Model 26, then turn the unit back on.

When the unit reads “0”, press the **MODE** button 3 times (within 4 seconds). Entry to the setup mode is confirmed when you see either the cpm or cps blinking.

To simply view the parameters don't press any buttons and the display will automatically advance every four seconds to the next parameter.

The unit will return automatically to normal operation after the last parameter is presented.

Note: An internal switch is available to put the instrument into a Protect Mode disallowing any editing. See section 8 – Protective Mode Switch to change switch position.



7 - Setup Parameter Order

Setup Parameter	Default Value	Notes	Editing																		
Unit of Measurement	cpm	cpm cps	MODE to select value																		
Response Time	0	0 = Auto Response Rate Mode 1-60 = Fixed Response Time (seconds)	OK to select digit MODE to select value																		
Auto-Response Rate Mode	F	<table border="1"> <thead> <tr> <th>Count Rate</th> <th>F = Fast (seconds)</th> <th>S = Slow (seconds)</th> </tr> </thead> <tbody> <tr> <td>Less than 3 kcpm</td> <td>5</td> <td>10</td> </tr> <tr> <td>Between 3 - 4 kcpm</td> <td>4</td> <td>8</td> </tr> <tr> <td>Between 4 - 6 kcpm</td> <td>3</td> <td>6</td> </tr> <tr> <td>Between 6 – 12 kcpm</td> <td>2</td> <td>4</td> </tr> <tr> <td>More than 12 kcpm</td> <td>1</td> <td>2</td> </tr> </tbody> </table>	Count Rate	F = Fast (seconds)	S = Slow (seconds)	Less than 3 kcpm	5	10	Between 3 - 4 kcpm	4	8	Between 4 - 6 kcpm	3	6	Between 6 – 12 kcpm	2	4	More than 12 kcpm	1	2	MODE to select value
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More than 12 kcpm	1	2																			
Count Rate Alarm	0	0-1999 selectable range	OK to select digit MODE to select value																		
Scaler Time	1 minute	0 = continuous count 1 sec to 20 minute range (max value = 19 min 60 sec)	OK to select digit MODE to select value																		
Operational Modes	0	0 : RATE, MAX, SCALER 1 : RATE, MAX 2 : RATE,SCALER 3 : RATE	MODE to select value																		

8 – Protective Mode Switch

An internal DIP (dual inline position) switch can be set to either permit editing parameters (see section 6 – Initiating Setup) or to Protect against any editing by users. To gain access to the DIP switch, remove the batteries, then unscrew the 4 screws holding the instrument together so the instrument halves become separated.

Once separated, gently move the GM pancake detector from its holder over to one side while leaving the wire intact. With the detector out of the way, you will see the dual switches as indicated in the picture.

When both switches are slid to the LEFT position it is in the Edit Mode (default).

When the bottom switch is in the Right Position, it is in the Protect Mode.

