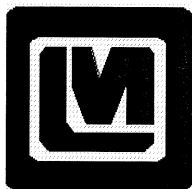


LUDLUM MODEL 272

REMOTE

**June 2005
Serial No. 184151 and Succeeding
Serial Numbers**



LUDLUM MEASUREMENTS, INC.

501 OAK ST., P.O. BOX 810

SWEETWATER, TX 79556

325/235-5494 FAX: 325/235-4672

STATEMENT OF WARRANTY

Ludlum Measurements, Inc. warrants the products covered in this manual to be free of defects due to workmanship, material, and design for a period of twelve months from the date of delivery. The calibration of a product is warranted to be within its specified accuracy limits at the time of shipment. In the event of instrument failure, notify Ludlum Measurements to determine if repair, recalibration, or replacement is required.

This warranty excludes the replacement of photomultiplier tubes, G-M and proportional tubes, and scintillation crystals which are broken due to excessive physical abuse or used for purposes other than intended.

There are no warranties, express or implied, including without limitation any implied warranty of merchantability or fitness, which extend beyond the description of the face there of. If the product does not perform as warranted herein, purchaser's sole remedy shall be repair or replacement, at the option of Ludlum Measurements. In no event will Ludlum Measurements be liable for damages, lost revenue, lost wages, or any other incidental or consequential damages, arising from the purchase, use, or inability to use product.

RETURN OF GOODS TO MANUFACTURER

If equipment needs to be returned to Ludlum Measurements, Inc. for repair or calibration, please send to the address below. All shipments should include documentation containing return shipping address, customer name, telephone number, description of service requested, and all other necessary information. Your cooperation will expedite the return of your equipment.

**LUDLUM MEASUREMENTS, INC.
ATTN: REPAIR DEPARTMENT
501 OAK STREET
SWEETWATER, TX 79556**

**800-622-0828 325-235-5494
FAX 325-235-4672**

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**M272 Remote
June 2005**

1. GENERAL

The Model 272 Remote is a remote status instrument for the Ludlum Model 375 series of Area Monitors. The Model 272 shows the current status of the Model 375 that it is connected to. The HIGH ALARM, SYSTEM OK, and DETECTOR FAIL lights are all provided. A relay connection enables further alarms to be triggered on alarm. Connections to the relay are provided through a 0.156" MTA connection on the back of the circuit board. Both the relay and the audio have a switch to enable or disable them. A five decade logarithmic meter displays the current radiation reading from 0.1 mR/hr to 10k mR/hr (10 R/hr).

2. CABLE

CABLE WIRE-UP FROM MODEL 375 TO MODEL 272

MALE PINS--MODEL 375
9-PIN D-SHELL CONNECT. W/6 PINS

FEMALE PINS--MODEL 272
9-PIN D-SHELL CONNECT. W/6 PINS

5	METER	1
9	+5V	6
2	GND	4
3	FAIL	3
7	ALARM	8
8	EXTRESET	7

REV. NO.	DATE	DESCRIPTION	APPROVED

P2- 2 PIN X 100 MTA
TO METER OR RCOR

ANALOG OUTPUT → P2 -1

→ P2 -2

→ GND

P3- 7 PIN X 100 MTA
TO SONALERT AND AUDIO EMBLE SWITCH

FROM EXTERNAL RESET SWITCH → P3 -5

→ P3 -1

→ P3 -2

→ P3 -3

→ P3 -4

→ P3 -6

→ P3 -7

P4- 6 PIN X 155 MTA
RELAY OUT

→ P4 -1

→ P4 -2

→ P4 -3

→ P4 -6

→ P4 -5

P1- 9 PIN D STRAIGHT CONNECTOR
ON BACKSIDE OF BOARD
INPUT FROM MODEL 27C

→ P1 -1

→ P1 -2

→ P1 -7

→ P1 -3

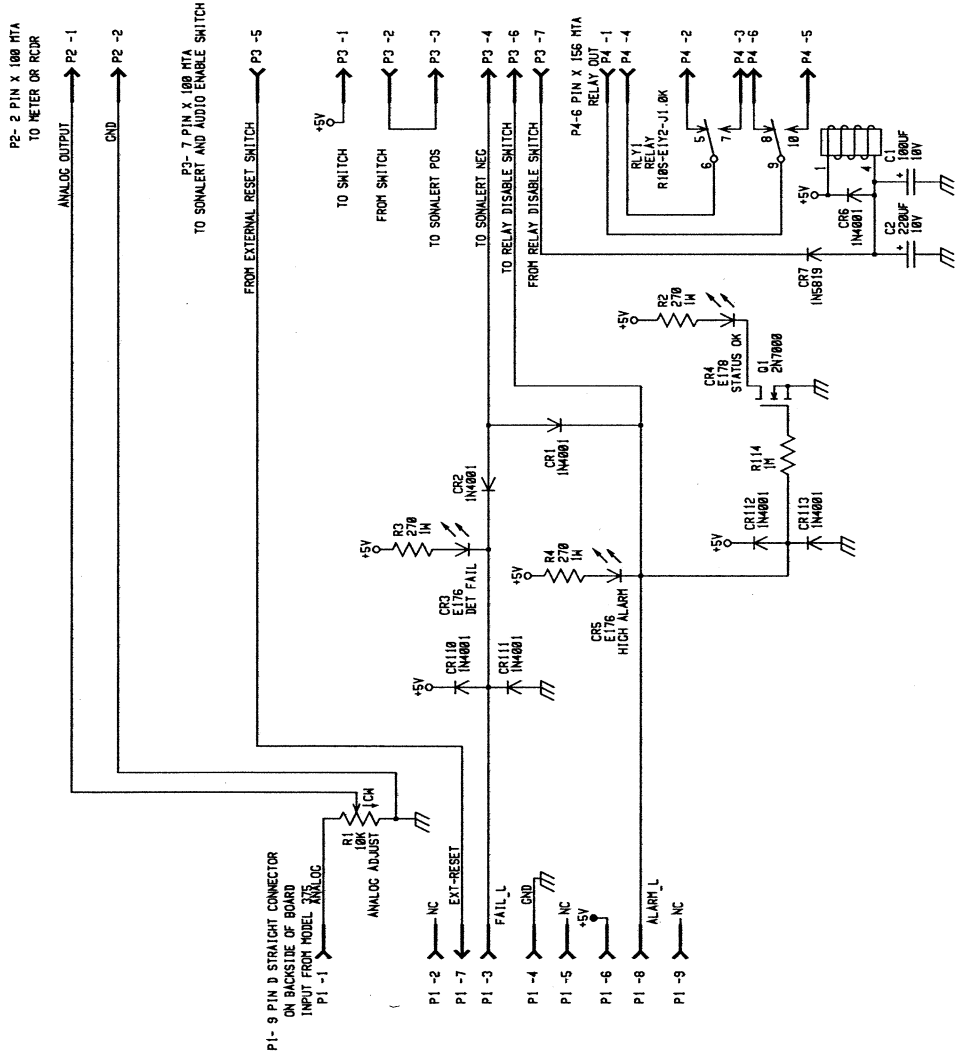
→ P1 -4

→ P1 -5

→ P1 -6

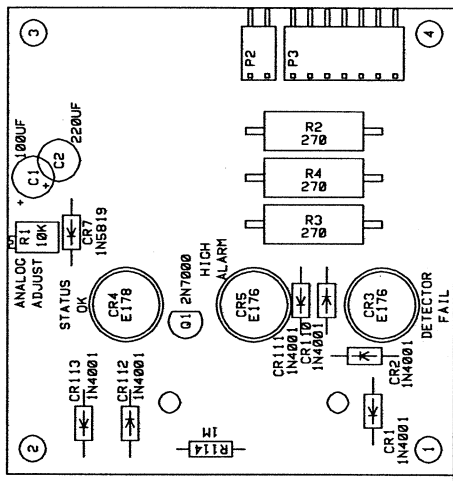
→ P1 -8

→ P1 -9

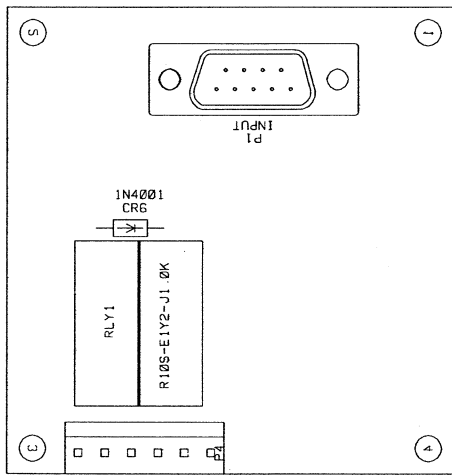


REV. NO.	DATE	DESCRIPTION	APPROVED

UPDATED	11/14/94	LUDLUM MEASUREMENTS INC.
DR CWB	11/14/94	TITLE : MAIN BOARD
ESON BSS	11/11/94	BOARDN 5208-085
TUPD PPS	07/20/94	SIZE C
NEXT HIGHER ASSY.	MODEL 272	SHEET 238
13-28139	25-166-34	58278865
		SHEET 57
		OF 1



LUDLUM MEASUREMENTS INC., SHEETWATER, TX.	
DR CKB	14-NOV-94
TITLE: MAIN BOARD	
BOARD: 5228-005	
MODEL: 272	
FILENAME: B5238085	
13:30:28 29-Dec-04	
APP B5238085	SOLDER
COMPONENT	REVISION SERIES SHEET
OUTLINE	OUTLINE
1.0	238
	58



<input checked="" type="checkbox"/> LUDLUM MEASUREMENTS INC., SWEETWATER, TX.			
DR	CWB	14-NOV-94	TITLE: MAIN BOARD
BOARD# 5238-085		MODEL 272	
SERIES 238		SHEET 58	
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COMP PASTE <input type="checkbox"/>		COMP PASTE <input type="checkbox"/>	
COMP OUTLINE <input checked="" type="checkbox"/>		SLDR OUTLINE <input checked="" type="checkbox"/>	
COMP MASK <input type="checkbox"/>		SLDR MASK <input type="checkbox"/>	