Note 1. Safe Area Apparatus

Associated protective barrier or galvanic isolator, CSA certified for Canadian installations and UL listed for US installations, with entity parameters that meet the following requirements: -

Voc or Vt equal to or less than Vmax lsc or lt equal to or less than Imax

La equal to or greater than Lcable + Li
Ca equal to or greater than Ccable + Ci

Certified Product
No modifications permitted
without reference
to Certifying Authority

Issue Mod. No.

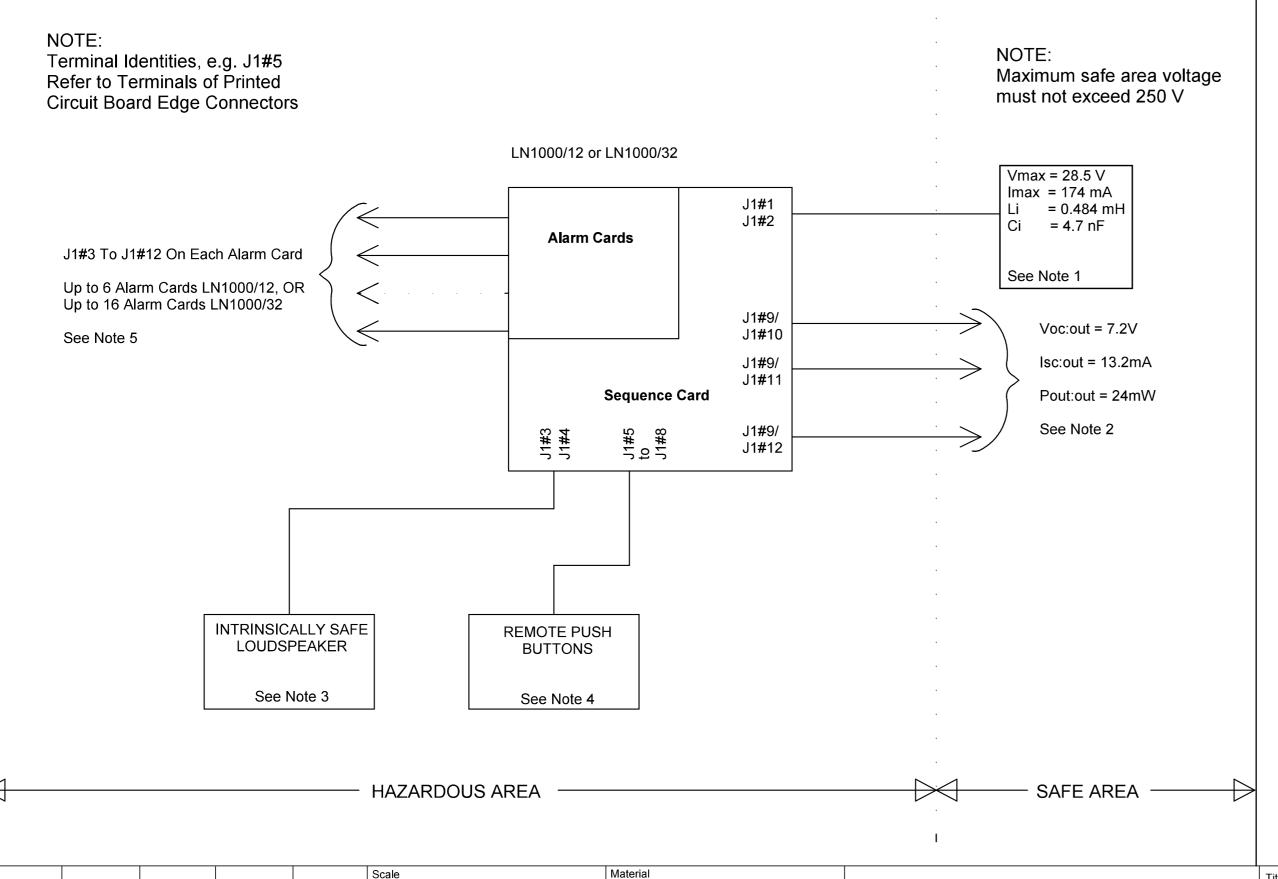
Note 2. Other Safe Area Apparatus

Terminals J1#9 - J1#12 of the Sequence Card have the following parameters:

Voc = 7.2V Isc = 13.2mA Pout = 24mW

The total capacitance and inductance of the load connected to these terminals must not exceed the values given in the table below.

Group	Capacitance (µF)	Inductance (mH)
IIC	14.5	180
IIB	43.5	540
IIA	116	1440



Finish

1:1

±0.2mm ±2°

App'd

Note 3. Intrinsically Safe Loudspeaker

Terminals J1#3 and J1#4 of the Sequence Card are for the connection of an intrinsically safe loudspeaker (horn) and have the following parameters.

Voc = 7.2 V Isc = 135 mA Pout = 0.244 W

The total capacitance and inductance of the load connected to these terminals must not exceed the values given in the table below.

Group	Capacitance (µF)	Inductance (mH)
IIC	14.5	1.9
IIB	43.5	5.7
IIA	116	15.2

Note 4. Remote Push Buttons

Terminals J1#5 - J1#8 and J1#12 of the Sequence Card are for the connection of remote push buttons which can be connected in parallel with the push buttons on the LN1000 front panel. The remote push buttons must meet the requirements of NEC, NFPA 70 article 504-2.

The terminals have the following parameters:

Voc = 7.2 V Isc = 9.5 mA Po = 17.1 mW

The total capacitance and inductance of the load connected to these terminals must not exceed the values given in the table below.

Group Capacitance (μF)		Inductance (mH)		
IIC	14.5	320		
IIB	43.5	660		
IIA	116	2560		

Note 5. Connections to Alarm Cards

a) Terminals J1#7 and J1#8 (CH1 & CH2 Inhibit)

Terminals J1#7 and J1#8 (CH1 & CH2 Inhibit) are connected to Alarm Card Terminal J1#1 (Vcc) only; these connections must be separately completed on each Alarm Card.

b) Connections to Terminals J1#1 - J1#6 and J1#9 - J1#12

Only apparatus meeting the requirements of NEC, NFPA 70 article 504-2 can be connected to these terminals.

For each Alarm Card, the total capacitance and inductance of the load connected to these terminals must not exceed the values given in the table below.

	Group	Capacitance (µF)	Inductance (mH)		
IIC 14.5		14.5	32		
	IIB	43.5	96		
	IIA	116	256		

Note 6. General

Installation should be in accordance with the Canadian Electrical Code (CEC) for Canadian installations, and ANSI/ISA RP12.6 and the National Electrical Code ANSI/NFPA 70 for US installations.

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	Drawn	Checked	Approved	Project	Date
CONTROL DRAWING FOR	APR			P852	22-09-199
LN 1000	Source	Cross Reference		Drawing Number	
I.S. ANNUNCIATOR				CE4	1412