

Refer to Note 1

DEFAULT LIGHTING RELAYS (Activated on Dispatch)

Timed 180 sec Normally Open Y0 Terminals 9, 10
Timed 90 sec Normally Open Y1 Terminals 11,12

DEFAULT MOMENTARY RELAYS (Activate on Dispatch)

Timed 2 Sec ON Normally Open Y4 Terminals 17, 18
Timed 2 Sec ON after 60 sec Normally Open
Y5 Terminals 19, 20

DEFAULT DOOR BELL ANNOUNCEMENT INPUTS

FRONT DOOR Switch +24 VDC to Terminal 33
BACK DOOR Switch +24 VDC to Terminal 34

DEFAULT ANCILLARY RELAYS

Spare Use Normally Open Y6 Terminals 21, 22
Network Indicator Normally Open Y7
Closed on Network Detection Terminals 23, 24

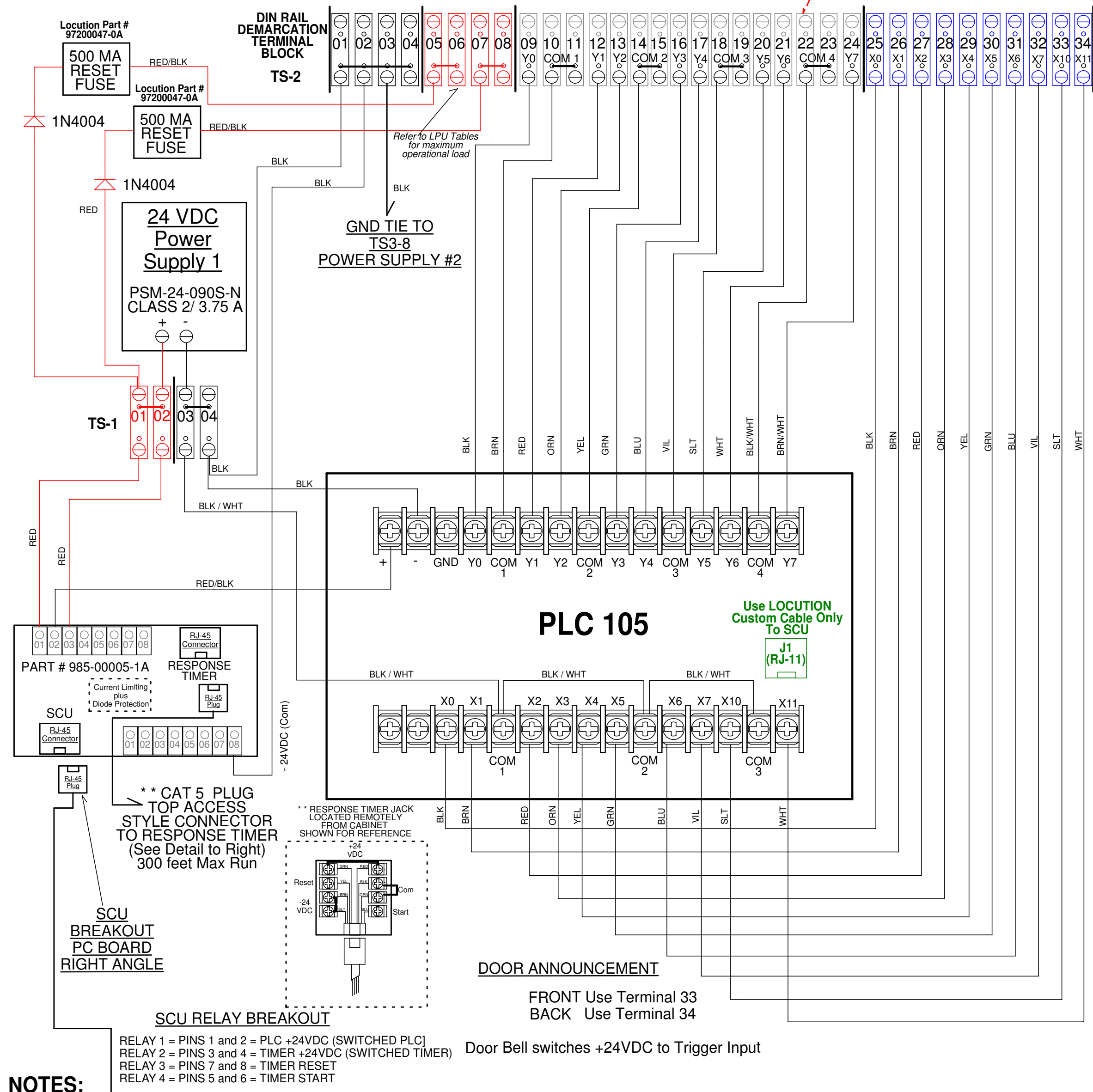
For TOD Relay Option (Refer to Note 4)
+24 VDC from TS3 /TERM 5

DEFAULT RADIO HL TRIGGER INPUT

RADIO HL TRIGGER Switch +24 VDC to Terminal 32 (X7)

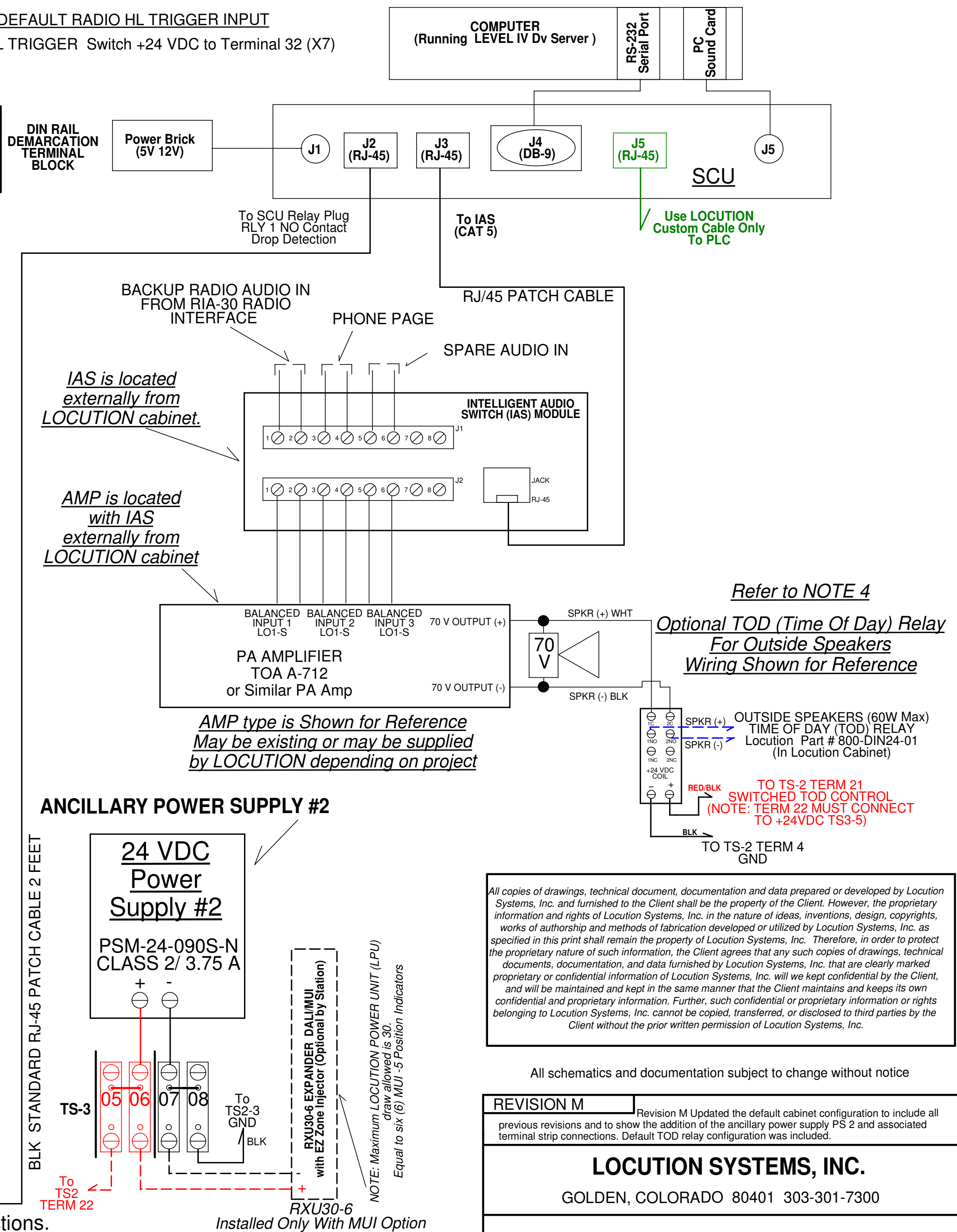
DEFAULT AUDIO RELAYS

Follows Dispatch Audio and Radio Mute, Normally Open Y2 Terminals 13,14
Timed 2 Seconds on Doorbell, Normally Open Y3 Terminals 15,16



NOTES:

1. PLC 105 provides eight (8), Form A (NO), contact closures under program control. There are four (4) COM connections. Two (2) contacts share a COM connection. Up to one (1) Expansion relays Locution Part # 800-DIN24-01 may be added to provide a 2PDT set of Form C contacts, but is not part of the standard cabinet. Configuration can source +24VDC, provide Normally Open dry contacts, or can sink to common point depending on installation configuration.
2. CORE system programming provides operational defaults that may be changed in software.
3. PLC 105 relay contacts are rated at 2A for CLASS 2 Voltages only. No 120 VAC switching is permissible. IMPORTANT: Switched load must be reactively suppressed to prevent premature relay contact failure. This is especially applicable to 24 VAC contactor coils. All switched DC loads should use suppression diodes.
4. TOD (Time of Day) relay is an option installed by the LOCUTION system installer if TOD control is requested. This is normally for outside speakers and is connected as shown on the print. The TOD relay must be wired as shown for both switched +24VDC as shown in the print and for switched speaker audio on both legs of the feed.



REVISION M Revision M Updated the default cabinet configuration to include all previous revisions and to show the addition of the ancillary power supply PS 2 and associated terminal strip connections. Default TOD relay configuration was included.			
LOCUTION SYSTEMS, INC. GOLDEN, COLORADO 80401 303-301-7300			
LOCUTION CORE CABINET ASSEMBLY BASIC WIRING WITH FULL DEMARCATION TERMINAL STRIP AND PLC POWER RESET WITH RESPONSE TIMER LOCUTION PART LEN32-CR SH-110121-103 / REV M			
DATE	PROJECT	DRAWN	RV
03/22/2021	LOC-110121	GC	M