Subject: Connecting a Telephone Alert To a Digital Phone System

This Drawing shows the use of a DCI-2424 to accept a contact closure from a telephone system and provide 24vdc to operate a UTA-1.

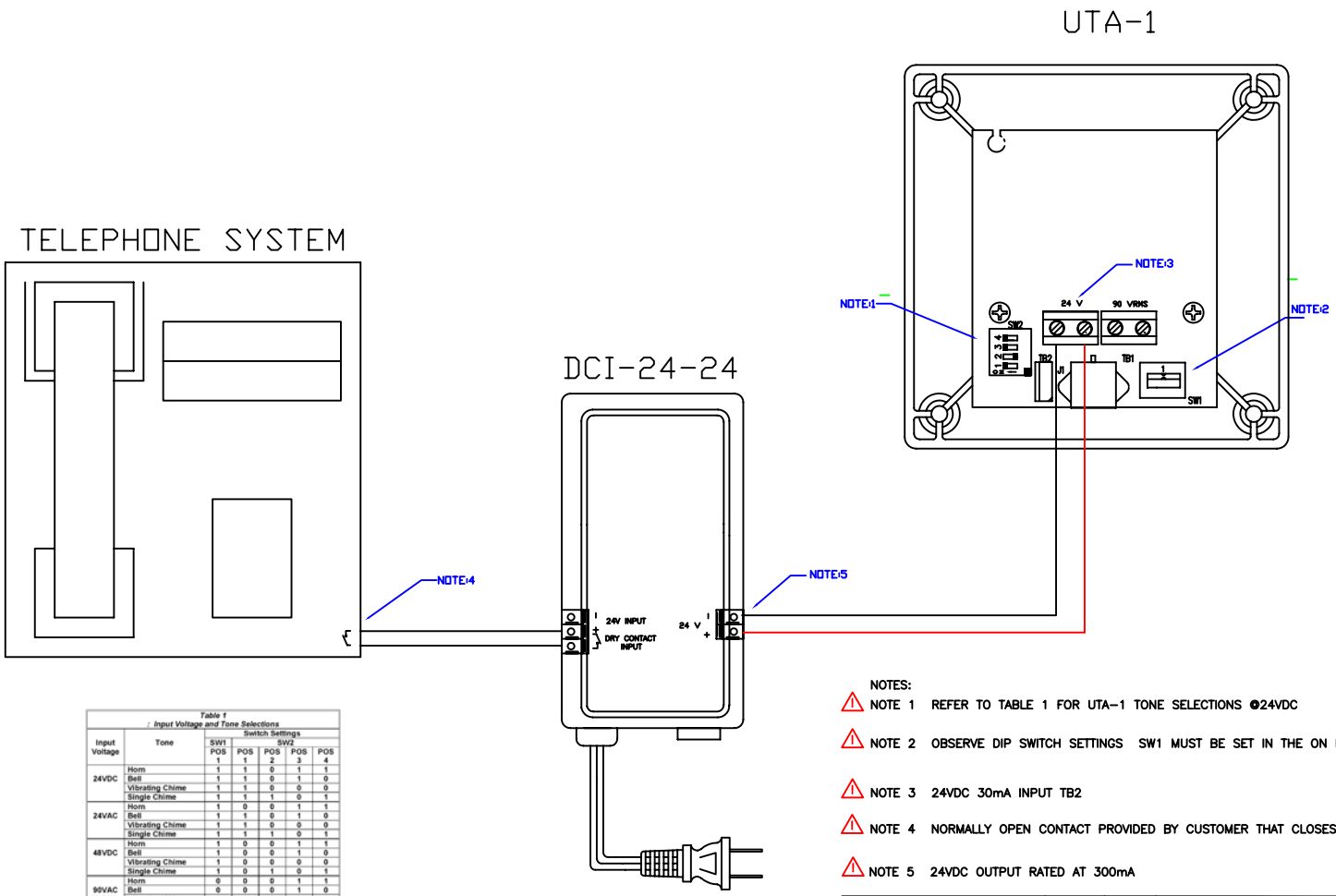

Table 1
: Input Voltage and Tone Selections

Input Voltage	Tone	Switch Settings SW1 POS 1	SW2 POS 1	SW2 POS 2	SW2 POS 3	SW2 POS 4
24VDC	Horn	1	1	0	1	1
	Bell	1	1	0	1	0
	Vibrating Chime	1	1	0	0	0
	Single Chime	1	1	1	0	1
24VAC	Horn	1	0	0	1	1
	Bell	1	1	0	1	0
	Vibrating Chime	1	1	0	0	0
	Single Chime	1	1	1	0	1
48VDC	Horn	1	0	0	1	1
	Bell	1	0	0	1	0
	Vibrating Chime	1	0	0	0	0
	Single Chime	1	0	1	0	1
90VAC 20-30Hz	Horn	0	0	0	1	1
	Bell	0	0	0	1	0
	Vibrating Chime	0	0	0	0	0
	Single Chime	0	0	1	0	1

Table 2

Alert Signal	Wheelock Model Number	Rating Per Signal	Maximum Signals Per DCI
TelChime	CH-AT2-W	60	5
TelChime	CH-BT2	60	5
TelStrobe	PS-33A-WPW	150	2
TelBell	TB-592	37.5	8

No More then 8 UTA-1 Should be Connected to the DCI-24-24

NOTES:

⚠ NOTE 1 REFER TO TABLE 1 FOR UTA–1 TONE SELECTIONS ❶24VDC

⚠ NOTE 2 OBSERVE DIP SWITCH SETTINGS SW1 MUST BE SET IN THE ON POSTION "1"

⚠ NOTE 3 24VDC 30mA INPUT TB2

⚠ NOTE 4 NORMALLY OPEN CONTACT PROVIDED BY CUSTOMER THAT CLOSES DURING RING CYCLE

⚠ NOTE 5 24VDC OUTPUT RATED AT 300mA

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