

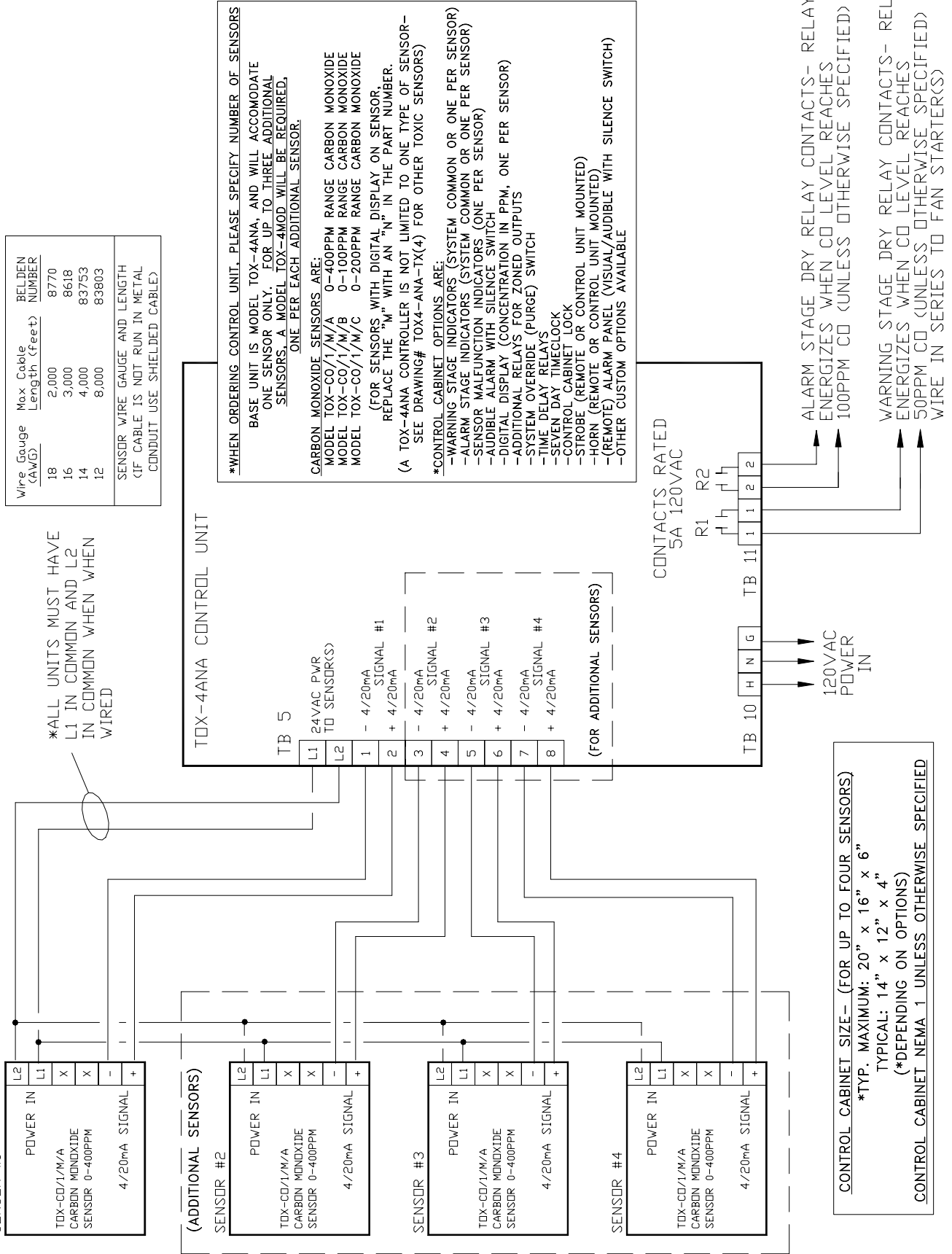
TOX-4ANA CO DETECTION MONITOR

SAMPLE TYPICAL FIELD WIRING DIAGRAM
(PLEASE REFER TO JOB SPECIFIC DOCUMENTATION FOR ACTUAL WIRING)

*ALL UNITS MUST HAVE
L1 IN COMMON AND L2
IN COMMON WHEN WHEN
WIRED

Wire Gauge (AWG)	Max Cable Length (feet)	BELDEN NUMBER
18	2,000	8770
16	3,000	8618
14	4,000	83753
12	8,000	83803

SENSOR WIRE GAUGE AND LENGTH (IF CABLE IS NOT RUN IN METAL CONDUIT USE SHIELDED CABLE)



***WHEN ORDERING CONTROL UNIT, PLEASE SPECIFY NUMBER OF SENSORS**
 BASE UNIT IS MODEL TOX-4ANA, AND WILL ACCOMMODATE ONE SENSOR ONLY. FOR UP TO THREE ADDITIONAL SENSORS, A MODEL TOX-4MOD WILL BE REQUIRED, ONE PER EACH ADDITIONAL SENSOR.

CARBON MONOXIDE SENSORS ARE:
 MODEL TOX-CO/1/M/A 0-400PPM RANGE CARBON MONOXIDE
 MODEL TOX-CO/1/M/B 0-100PPM RANGE CARBON MONOXIDE
 MODEL TOX-CO/1/M/C 0-200PPM RANGE CARBON MONOXIDE
 (FOR SENSORS WITH DIGITAL DISPLAY ON SENSOR, REPLACE THE "M" WITH AN "N" IN THE PART NUMBER.)
 (A TOX-4ANA CONTROLLER IS NOT LIMITED TO ONE TYPE OF SENSOR - SEE DRAWING# TOX4-ANA-TX(4) FOR OTHER TOXIC SENSORS)

***CONTROL CABINET OPTIONS ARE:**
 -WARNING STAGE INDICATORS (SYSTEM COMMON OR ONE PER SENSOR)
 -ALARM STAGE INDICATORS (SYSTEM COMMON OR ONE PER SENSOR)
 -SENSOR MALFUNCTION INDICATORS (ONE PER SENSOR)
 -AUDIBLE ALARM WITH SILENCE SWITCH
 -DIGITAL DISPLAY (CONCENTRATION IN PPM, ONE PER SENSOR)
 -ADDITIONAL RELAYS FOR ZONED OUTPUTS
 -SYSTEM OVERRIDE (PURGE) SWITCH
 -TIME DELAY RELAYS
 -SEVEN DAY TIMECLOCK
 -CONTROL CABINET LOCK
 -STROBE (REMOTE OR CONTROL UNIT MOUNTED)
 -HORN (REMOTE OR CONTROL UNIT MOUNTED)
 -(REMOTE) ALARM PANEL (VISUAL/AUDIBLE WITH SILENCE SWITCH)
 -OTHER CUSTOM OPTIONS AVAILABLE

CONTROL CABINET SIZE - (FOR UP TO FOUR SENSORS)
 *TYP. MAXIMUM: 20" x 16" x 6"
 TYPICAL: 14" x 12" x 4"
 (*DEPENDING ON OPTIONS)
CONTROL CABINET NEMA 1 UNLESS OTHERWISE SPECIFIED

TOXALERT INTERNATIONAL
 GAS DETECTION SYSTEMS
 www.toxalert.com
 P.O. BOX 155 MOUND, MN. 55384
 (952)472-4541

ENG. BY *	CONTR. *	ENG. BY *	DWN. BY CSS
A.	B.	C.	D.

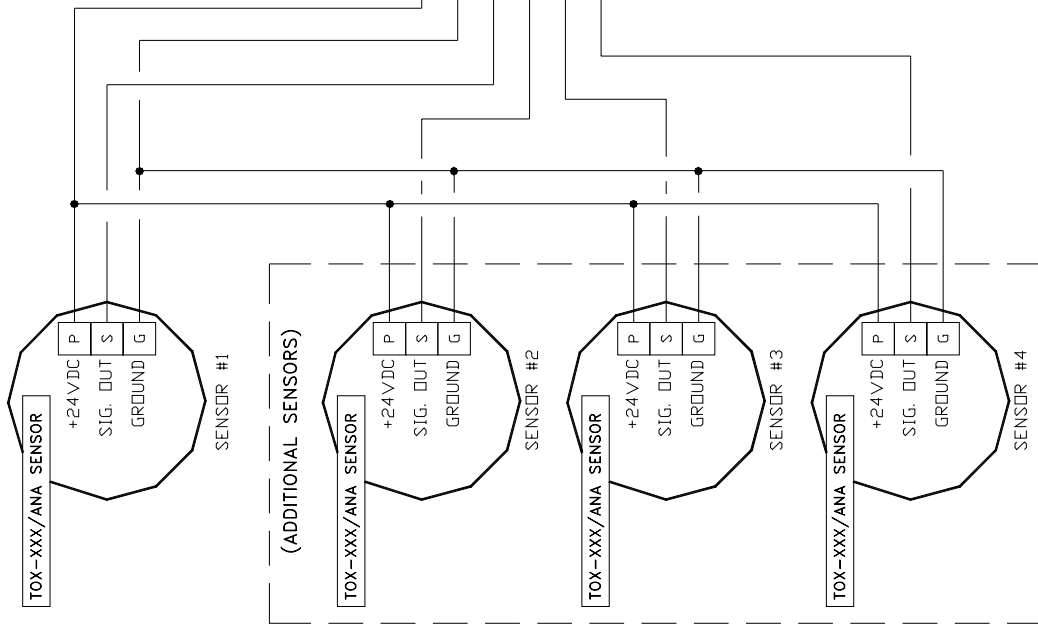
TOX-4ANA FOR CARBON MONOXIDE MONITORING
 TYPICAL FIELD WIRING DIAGRAM
 * SHEET * DATE: 8/7/00 DWG. NO. TOX-4ANA-CO(4)

TOX-4ANA GAS DETECTION MONITOR

SAMPLE TYPICAL FIELD WIRING DIAGRAM
(PLEASE REFER TO JOB SPECIFIC DOCUMENTATION FOR ACTUAL WIRING)

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SENSOR WIRE GAUGE AND LENGTH
(IF CABLE IS NOT RUN IN METAL CONDUIT USE SHIELDED CABLE)



TOX-4ANA CONTROL UNIT

TB 5
P 24VDC PWR TO SENSOR(S)
G
1 4/20mA SIG #1
2 4/20mA SIG #2
3 4/20mA SIG #3
4 4/20mA SIG #4
(FOR ADDITIONAL SENSORS)

TB 10 H N G
120VAC POWER IN

TB 11 1 1 1 2 2
CONTACTS RATED 5A 120VAC
R1 R2

***WHEN ORDERING CONTROL UNIT, PLEASE SPECIFY NUMBER OF SENSORS**
BASE UNIT IS MODEL TOX-4ANA, AND WILL ACCOMMODATE ONE SENSOR ONLY. FOR UP TO THREE ADDITIONAL SENSORS, A MODEL TOX-4MOD WILL BE REQUIRED, ONE PER EACH ADDITIONAL SENSOR.

TOXIC SENSORS ARE: (PLEASE REFER TO SPECIFIC SENSOR DATA SHEETS)
TOX-CO/ANA/EC TOX-HCL/ANA TOX-NO2/ANA
TOX-COMB/ANA TOX-HCN/ANA TOX-SO2/ANA
TOX-ETO/ANA TOX-HF/ANA TOX-CO2/ANA
TOX-H2/ANA TOX-NH3/ANA TOX-VOC/ANA
TOX-H2S/ANA TOX-NO/ANA

(A TOX-4ANA CONTROLLER IS NOT LIMITED TO ONE TYPE OF SENSOR)

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-OTHER CUSTOM OPTIONS AVAILABLE

ALARM STAGE DRY RELAY CONTACTS- RELAY ENERGIZES WHEN GAS LEVEL REACHES XXPPM OR XX% LEL (UNLESS OTHERWISE SPECIFIED)

WARNING STAGE DRY RELAY CONTACTS- RELAY ENERGIZES WHEN CO LEVEL REACHES XXPPM OR XX% LEL (UNLESS OTHERWISE SPECIFIED) WIRE IN SERIES TO FAN STARTER(S)

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TYPICAL: 14" x 12" x 4"
(*DEPENDENT ON OPTIONS)
CONTROL CABINET NEMA 1 UNLESS OTHERWISE SPECIFIED

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www.toxalert.com
P.O. BOX 166 MOUND, MN. 55364
(952)472-4641

ENG: *

CONTR: *

R
A.
C.

B.
D.

ENG. BY *
DWN BY CSS

TOX-4ANA FOR TOXIC GAS MONITORING
TYPICAL FIELD WIRING DIAGRAM

SHEET *

DATE:
8/7/00

DWG. NO.
TOX-4ANA-TX(4)