

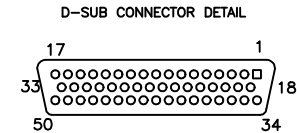
NOTES: UNLESS OTHERWISE SPECIFIED.

① WIRE RECOMMENDATION: 22 GA. (MIN) SHIELDED CABLE MAX 1200 FT
REFER TO THE FOLLOWING CHART FOR ALTERNATIVE WIRE GA. INFORMATION.

BASEEFA Certified Product
No modification permitted
without the approval of the
Authorized Person

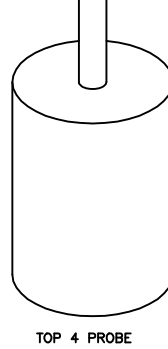
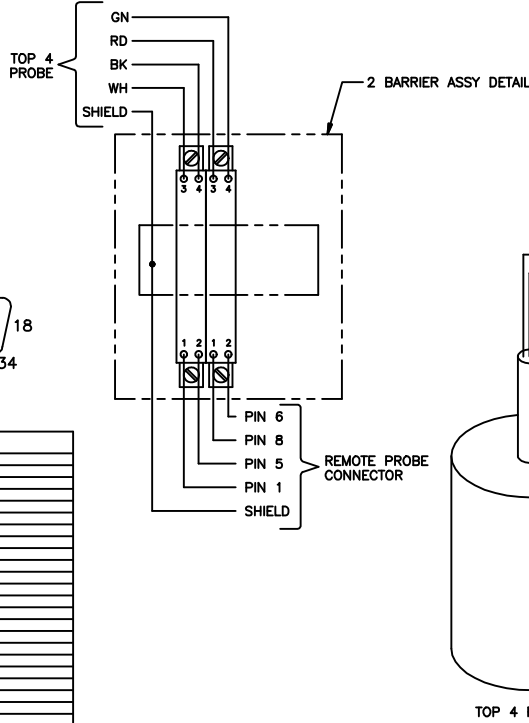
REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV
3	INC ECO 97-0388	5/29/97	KFP	M.V.
4	INC ECO 98-0223	4/24/98	KFP	VF

WIRE GA	MAX LENGTH
22	1200 ft
20	2000 ft
18	3200 ft
16	4900 ft



D-SUB CONNECTOR'S DESCRIPTION

PIN No	DESCRIPTION
1	
2	
3	+ RANGE ID 4-20 mA
4	- RANGE ID 4-20 mA
5	+ OUTPUT 4-20 mA
6	- OUTPUT 4-20 mA
7	- OUTPUT 0-1 V
8	+ RANGE ID 0-1 V
9	
10	
11	
12	
13	NETWORK +
14	REMOTE THERMISTOR
15	ZERO SOLENOID RETURN
16	SPAN SOLENOID RETURN
17	SPAN SOLENOID HOT
18	RANGE 3 CONTACT
19	RANGE 3 CONTACT
20	ALARM 3 C CONTACT
21	RANGE 1 CONTACT
22	RANGE 2 CONTACT
23	- RANGE ID 0-1 V
24	+ OUTPUT 0-1 V
25	
26	
27	
28	ALARM 1 C CONTACT
29	NETWORK -
30	REMOTE SENSOR +
31	REMOTE THERMISTOR
32	EXHAUST SOLENOID HOT
33	SAMPLE SOLENOID HOT
34	RANGE 4 CONTACT
35	RANGE 4 CONTACT
36	ALARM 3 NC CONTACT
37	ALARM 3 NO CONTACT
38	RANGE 1 CONTACT
39	RANGE 2 CONTACT
40	CALIBRATION CONTACT
41	CALIBRATION CONTACT
42	ALARM 2 NC CONTACT
43	ALARM 2 NO CONTACT
44	ALARM 2 C CONTACT
45	ALARM 1 NC CONTACT
46	ALARM 1 NO CONTACT
47	REMOTE SENSOR -
48	EXHAUST SOLENOID RETURN
49	ZERO SOLENOID RETURN
50	SAMPLE SOLENOID RETURN



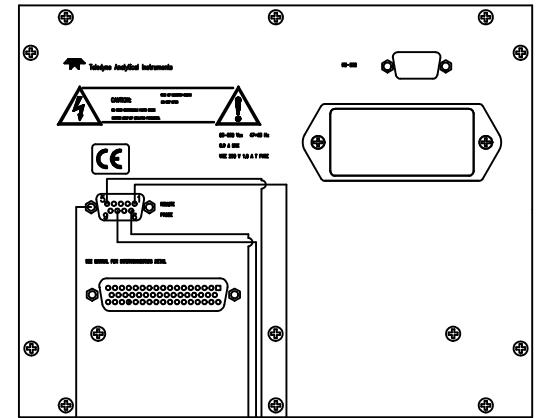
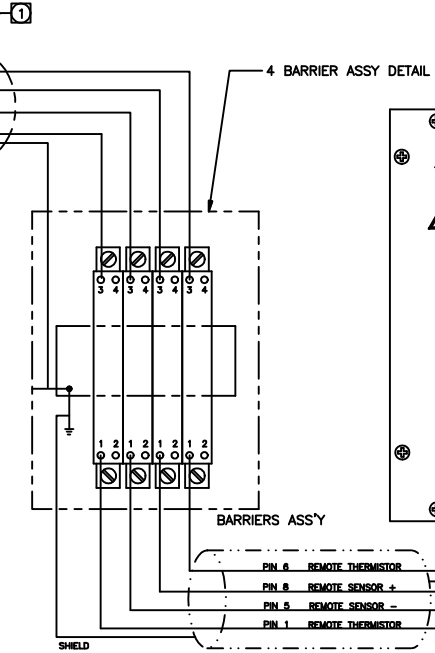
TOP 4 PROBE

INTERCONNECTION VS. PIN NO OF 50 PINS D-SUB

DESCRIPTION	ANALOG OUTPUTS				DIGITAL INPUTS				NETWORK											
	CURRENT 4-20mA	VOLTAGE 0-1V			REMOTE SPAN		REMOTE ZERO													
	% RANGE	RANGE ID	% RANGE	RANGE ID	SPAN	ZERO	SPAN	ZERO												
PIN NO.	5	6	3	4	24	7	8	23	9	11	10	12	13	29						
DESCRIPTION	RELAY OUTPUTS				REMOTE PROBE INTERCONNECTION															
	THRESHOLD ALARM 1	THRESHOLD ALARM 2	SYSTEM ALARM	CAL. CONTACT	RANGE 1 ID CONTACT	RANGE 2 ID CONTACT	RANGE 3 ID CONTACT	RANGE 4 ID CONTACT	REMOTE PROBE 9 PIN D-SUB											
PIN NO.	45	28	48	42	44	43	36	20	37	40	41	21	38	22	39	19	18	34	35	
DESCRIPTION	REMOTE SOLENOID				REMOTE PROBE INTERCONNECTION															
	ZERO	SAMPLE	SPAN	EXHAUST	SENSOR	THERMISTOR														
PIN NO.	49	15	33	50	17	16	32	48												

REMOTE PROBE INTERCONNECTION

PIN NO	DESCRIPTION
8	REMOTE THERMISTOR
5	REMOTE SENSOR +
6	REMOTE SENSOR -
1	REMOTE THERMISTOR



CONTROL UNIT

ITEM	QTY	PART NO.	DESCRIPTION
BILL OF MATERIAL			
DO NOT SCALE DIMS			
TOLERANCE UNLESS OTHERWISE SPECIFIED: ANGULAR ±1/2°			
LINEAR: .125 = ±.010, .125 = ±.010			
SIGNATURES DATE TITLE			
N/	DRFT	4-22-98	
L/	CHK		
D/	APP'D	A. 3000	
E/	ENGR	A. 3000	
F/	DRG200		
REFERENCE	CAD ID	DM193-4	

INTERCONNECTION DIAGRAM MODEL 3010TAC

DWG NO. D-66193