

WIRING DISTANCES FROM POWER SUPPLY TO TRANSMITTER

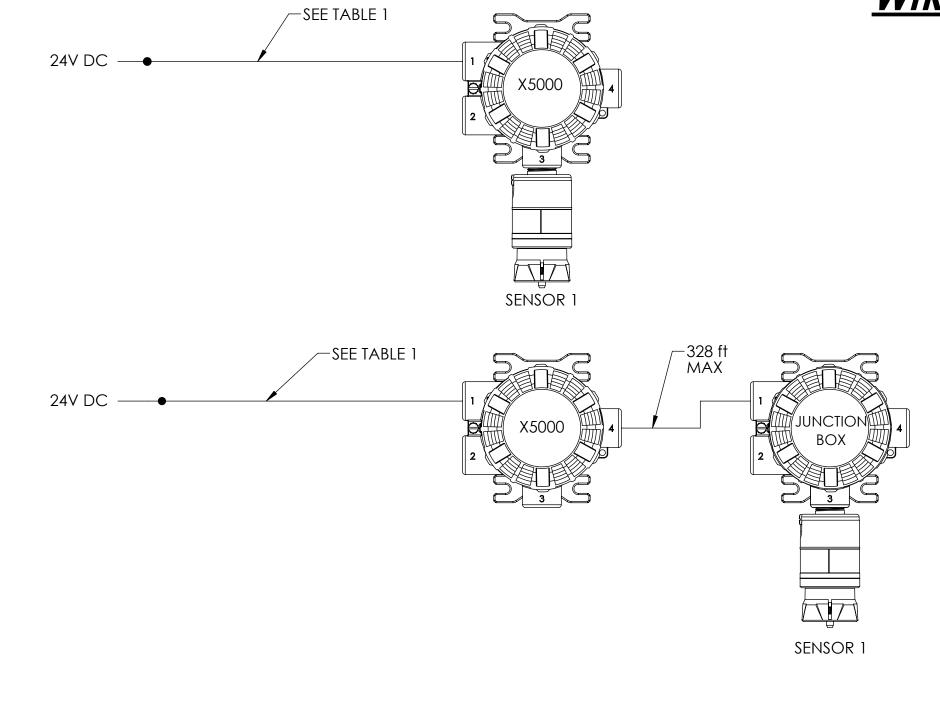
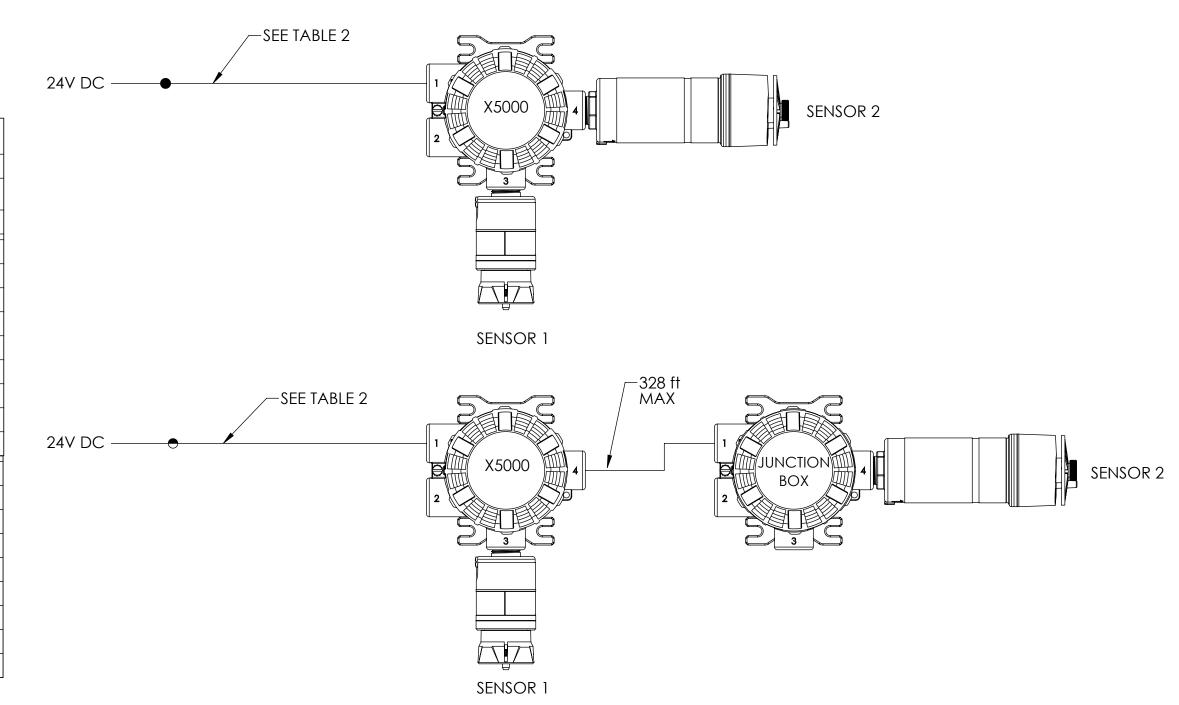


TABLE 1 - SINGLE SENSOR							
Sensor Mounting	Sensor 1		Max D	Max Distance (FT) To Transm			
		Max Power (W)		24 VDC	Supply		
		(11)	18 AWG	16 AWG	3337 5314 844		
MOUNTED ON TRANSMITTER	Echem	2.8	2211	3337	5314	8440	
	Catalytic	5.5	1548	2335	3719	5907	
	XIR Plus	6.7	1184	1787	2846	4520	
REMOTE MOUNTED ON JUNCTION BOX (UP TO 328 ft)	Echem	2.8	2210	3335	5313	8439	
	Catalytic	5.5	1504	2294	3679	5867	
	XIR Plus	6.7	1090	1697	2759	4435	

TABLE 2 - DUAL SENSORS									
Sensor Mounting	Sensor 1	Sensor 2	Max Power (W)	Max Distance (FT) To Transmitter					
				24 VDC Supply					
				18 AWG	16 AWG	14 AWG	12 AWG		
	Echem	Echem	3.6	2078	3136	4994	7932		
		Catalytic	5.3	1473	2223	3541	5623		
TWO SENSORS Mounted on Transmitter		XIR Plus	7.0	1076	1623	2585	4106		
	Catalytic	Echem	5.3	1473	2223	3541	5623		
		Catalytic	10.6	1151	1736	2765	4392		
		XIR Plus	10.9	893	1347	2146	3408		
	XIR Plus	Echem	7.0	1076	1623	2585	4106		
		Catalytic	10.9	893	1347	2146	3408		
		XIR Plus	11.6	* One sensor must be remote mounted if using tw XIR PLUS sensors					
ONE SENSOR mounted on junction box (328 ft Max), ONE SENSOR on transmitter	Echem	Echem	3.6	2096	3154	5012	7952		
		Catalytic	5.3	1441	2193	3512	5596		
		XIR Plus	7.0	982	1536	2501	7932 5623 4106 5623 4392 3408 4106 3408 41 using tw		
	Catalytic	Echem	5.3	1441	2193	3512	5596		
		Catalytic	10.6	1124	1711	2741	4368		
		XIR Plus	10.9	763	1225	2029	3295		
		Echem	7.0	982	1536	2501	4024		
	XIR Plus	Catalytic	10.9	763	1225	2029	3295		
		XIR Plus	11.6	731	1135	1843	2961		



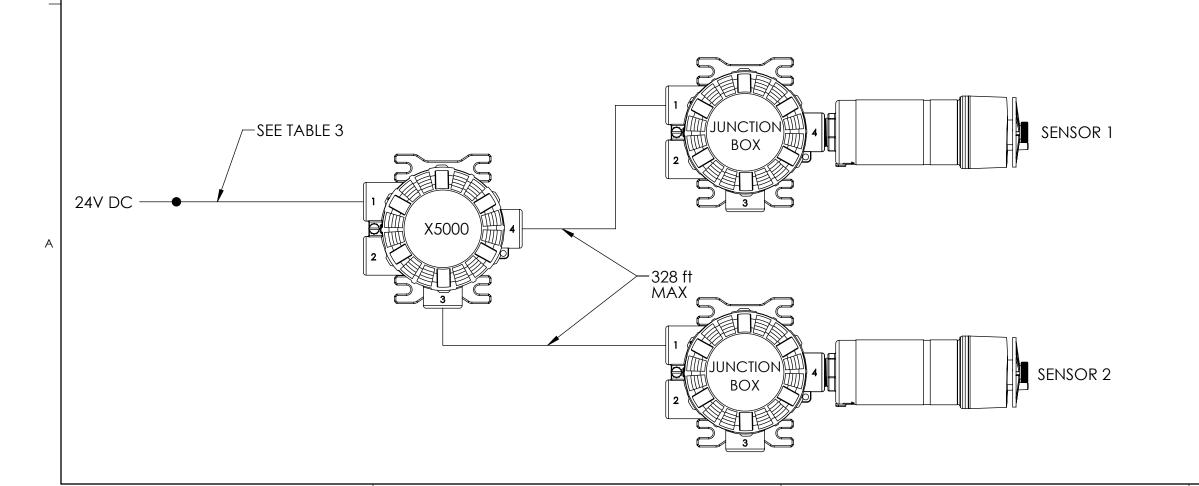


TABLE 3 - DUAL REMOTED SENSORS								
Sensor Mounting	Sensor 1	Sensor 2	Max Power (W)	Max Distance (FT) To Transmitter				
				24 VDC Supply				
				18 AWG	16 AWG	14 AWG	12 AWG	
TWO SENSORS mounted on junction box up to 328ft for 24V		Echem	3.6	2079	3134	4992	7932	
	Echem	Catalytic	5.3	1421	2173	3492	5576	
		XIR Plus	7.0	962	1516	2481	4004	
	Catalytic	Echem	5.3	1421	2173	3492	5576	
		Catalytic	10.6	1104	1691	2721	4348	
		XIR Plus	10.9	743	1205	2009	3275	
		Echem	7.0	962	1516	2481	7932 5576 4004 5576 4348	
	XIR Plus	Catalytic	10.9	743	1205	2009	3275	
		XIR Plus	11.6	711	1115	1823	2941	

NOTES:

1. WHEN SIZING A SYSTEM'S 24V SUPPLY, A 1 AMP INRUSH CURRENT WITH A 1ms DURATION SHOULD BE CONSIDERED FOR EACH ULTIMA X5000 ON THE POWER SUPPLY

				Pro	duction	REVISION 7
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JOB NO. 3001299	6 PH0705	APPROVAL AGENCY CODE:	NIOSH A	TTR. DOC.:		•
DRAWN BY DATE WJE 9-29-2016 CHECKED BY C.STARTA 3-28-2017 PROJECT ENGR. N.CICCONE 3-28-2017 QUALITY ASSURANCE J.DANNHARDT 3-28-2017 MANUFACTURING		INSTALLA ULTI <i>I</i>				E,
M.ZIRNSAK 3-28-2017		CADD REF: N/A			SCALE:	1:1
SHEET SIZE D	SK3	3015-1051			,	SHEET 7 OF 7