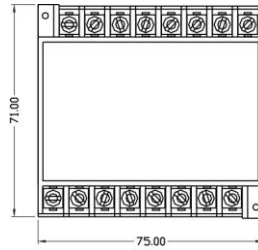


## ANALOG SIGNAL CONVERTERS / ISOLATORS – ISOLATED DUAL OUTPUT



All dimensions in mm

<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• 4 Point Isolation of 2KVAC</li> <li>• Low ripple &amp; noise</li> <li>• Economical</li> </ul>	<ul style="list-style-type: none"> <li>• High reliability</li> <li>• Compact</li> </ul>									
<b>DESCRIPTION</b>	These units offer signal conversion with 4 point isolation between Input, Output1, Output2, Power supply. These are suitable for isolating analog signals equipments such as DC/AC drives, PLC, SCADA & others. This improves noise immunity & prevents ground circulating currents. These units are designed and manufactured to give consistent performance under varied atmospheric conditions.										
<b>ISOLATION</b>	Input – Output1/ Output2 Input – Aux Supply Output1/Output2– Aux Supply Output1– Output2	2KVAC, 1 minute									
<b>ACCURACY</b>	AS845-XXX : +/- 0.7% of Full Scale @ 35°C ambient temperature	AS865-XXX : +/- 1% of Full Scale @ 35°C ambient temperature									
<b>RESPONSE TIME</b>	Less than 15 ms										
<b>RIPPLE &amp; NOISE</b>	Less than 1% of Span										
<b>INPUT IMPEDANCE</b>	10V:100K ohm & 20mA:10 ohm										
<b>MAX INPUT</b>	100V FOR VOLTAGE OUTPUT,30mA FOR CURRENT OUTPUT										
<b>INDICATION</b>	Power on LED										
<b>ADJUSTMENT</b>	Zero & Span on front for each output										
<b>OVERLOAD PROTECTION</b>	Output short circuit current=30mA max										
<b>CONNECTION DIAGRAM</b>	<b>VOLTAGE</b>	<b>CURRENT / LOOP POWERED 4-20mA</b>	<b>POTENTIOMETER</b>								
	<b>PT-100</b>	<b>J/K-TYPE</b>	<b>AC</b>								
	<b>OPERATING AMBIENT</b>	0 ~ 50°C, 95% RH									
	<b>STORAGE AMBIENT</b>	-20°C to 85°C									
<b>MOUNTING</b>	35 mm DIN rail										
<b>WEIGHT</b>	240 gms										
<b>ORDERING INFORMATION</b>	<b>INPUT</b>				<b>OUTPUT1</b>	<b>OUTPUT2</b>	<b>AUX SUPPLY</b>	<b>NOMINAL I/P : 230V AC/DC</b>	<b>NOMINAL I/P: 24V AC/DC</b>	<b>RIPPLE</b>	
	<b>VOLTAGE</b>	<b>CURRENT</b>	<b>TEMP</b>	<b>OTHERS</b>			<b>I/P FREQUENCY</b>	90 ~ 270V AC 100 ~ 300V DC	16 ~ 36V AC 18 ~ 36V DC		
	0-20mV DC				0-10V DC	0-10V DC		47 ~ 63Hz		< 50mV	
					4-20mA	0-10V DC			AS845-117		AS845-517
					4-20mA	4-20mA			AS845-112		AS845-512
					0-10V DC	0-10V DC			AS845-118		AS845-518
0-75mV DC				4-20mA	0-10V DC			AS845-104	AS845-504		
				4-20mA	4-20mA			AS845-103	AS845-503		
				4-20mA	0-5V DC			AS845-105	AS845-505		
				4-20mA	0-5V DC			AS845-203	AS845-523		

Unit No:G-5/6, B Wing, Plot K-3, Udyog Bhavan No:2, Anand Nagar MIDC, Ambarnath(E) 421506, MH, India.  
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ORDERING INFORMATION	INPUT				OUTPUT1	OUTPUT2	AUX SUPPLY	NOMINAL I/P : 230V AC/DC	NOMINAL I/P: 24V AC/DC	RIPPLE	
	VOLTAGE	CURRENT	TEMP	OTHERS				90 ~ 270V AC 100 ~ 300V DC	16 ~ 36V AC 18 ~ 36V DC		
								I/P FREQUENCY	47 ~ 63Hz		
0-200mV DC					0-10V DC	0-10V DC		AS845-119	AS845-519	< 50mV	
					4-20mA	0-10V DC		AS845-111	AS845-511		
					4-20mA	4-20mA		AS845-120	AS845-520		
	0-1V DC					0-10V DC	0-10V DC		AS845-125		AS845-525
						4-20mA	0-10V DC		AS845-126		AS845-526
						4-20mA	4-20mA		AS845-127		AS845-527
	0-2V DC					0-10V DC	0-10V DC		AS845-128		AS845-528
						4-20mA	0-10V DC		AS845-129		AS845-529
						4-20mA	4-20mA		AS845-130		AS845-530
	0-2.5V DC					0-10V DC	0-10V DC		AS845-131		AS845-531
						4-20mA	0-10V DC		AS845-132		AS845-532
						4-20mA	4-20mA		AS845-133		AS845-533
	0-5V DC					0-10V DC	0-10V DC		AS845-134		AS845-534
						4-20mA	0-10V DC		AS845-107		AS845-507
						4-20mA	4-20mA		AS845-135		AS845-535
4-20mA						0-5V DC	AS845-207		AS845-536		
-3 to +10V DC					-3 to +10V DC	-3 to +10V DC		AS845-137	AS845-537		
0-10V DC					0-10V DC	0-10V DC		AS845-140	AS845-540		
					4-20mA	0-10V DC		AS845-101	AS845-501		
					4-20mA	4-20mA		AS845-152	AS845-552		
					200Hz-20K	0-10V DC		AS845-121	AS845-521		
					200Hz-20K	4-20mA		AS845-122	AS845-522		
0-75V DC					0-10V DC	0-10V DC		AS845-141	AS845-541		
					4-20mA	0-10V DC		AS845-114	AS845-514		
					4-20mA	4-20mA		AS845-142	AS845-542		
					4-20mA	0-5V DC		AS845-214	AS845-538		
0-120V DC					0-10V DC	0-10V DC		AS845-143	AS845-543		
					4-20mA	0-10V DC		AS845-115	AS845-515		
					4-20mA	4-20mA		AS845-144	AS845-544		
0-220V DC					0-10V DC	0-10V DC		AS845-145	AS845-545		
					4-20mA	0-10V DC		AS845-113	AS845-513		
					4-20mA	4-20mA		AS845-146	AS845-546		
0-300V DC					4-20mA	4-20mA		AS845-157	AS845-557		
<b>Input : Current ( mA DC )</b>											
	0-20mA				0-10V DC	0-10V DC		AS845-147	AS845-547		
					4-20mA	0-10V DC		AS845-116	AS845-516		
					4-20mA	4-20mA		AS845-148	AS845-548		
	4-20mA				0-10V DC	0-10V DC		AS845-149	AS845-549		
					4-20mA	0-10V DC		AS845-102	AS845-502		
					4-20mA	4-20mA		AS845-154	AS845-554		
					4-20mA	0-5V DC		AS845-150	AS845-550		
					0-5V DC	0-5V DC		AS845-151	AS845-551		
<b>Input : Current ( Amp AC )</b>											
	0-1A AC				0-10V DC	0-10V DC		AS865-101	AS865-501		
					4-20mA	0-10V DC		AS865-102	AS865-502		
					4-20mA	4-20mA		AS865-103	AS865-503		
	0-5A AC				0-10V DC	0-10V DC		AS865-104	AS865-504		
					4-20mA	0-10V DC		AS865-105	AS865-505		
					4-20mA	4-20mA		AS865-106	AS865-506		
<b>Input : Others</b>											
				Pot / Resistor 1K ~10K	0-10V DC	0-10V DC		AS845-155	AS845-555		
				4-20mA	0-10V DC	AS845-106		AS845-506			
				4-20mA	4-20mA	AS845-156		AS845-556			

ORDERING INFORMATION	INPUT				OUTPUT1	OUTPUT2	AUX SUPPLY	NOMINAL I/P : 230V AC/DC	NOMINAL I/P: 24V AC/DC	RIPPLE
	VOLTAGE	CURRENT	TEMP	OTHERS				90 ~ 270V AC	16 ~ 36V AC	
					100 ~ 300V DC	18 ~ 36V DC				
	I/P FREQUENCY							47 ~ 63Hz		
<b>Input : Thermocouple K Type</b>										
		-200 to +200°C		0-10V DC	0-10V DC		AS845-215	AS845-615	< 50mV	
				4-20mA	0-10V DC		AS845-216	AS845-616		
				4-20mA	4-20mA		AS845-217	AS845-617		
		-100 to +100°C		0-10V DC	0-10V DC		AS845-218	AS845-618		
				4-20mA	0-10V DC		AS845-219	AS845-619		
				4-20mA	4-20mA		AS845-220	AS845-620		
		0 to 100°C		0-10V DC	0-10V DC		AS845-221	AS845-621		
				4-20mA	0-10V DC		AS845-222	AS845-622		
				4-20mA	4-20mA		AS845-223	AS845-623		
		0 to 200°C		0-10V DC	0-10V DC		AS845-224	AS845-624		
				4-20mA	0-10V DC		AS845-225	AS845-625		
				4-20mA	4-20mA		AS845-226	AS845-626		
		0 to 300°C		0-10V DC	0-10V DC		AS845-227	AS845-627		
				4-20mA	0-10V DC		AS845-228	AS845-628		
				4-20mA	4-20mA		AS845-229	AS845-629		
		0 to 400°C		0-10V DC	0-10V DC		AS845-230	AS845-630		
				4-20mA	0-10V DC		AS845-231	AS845-631		
				4-20mA	4-20mA		AS845-232	AS845-632		
		0 to 500°C		0-10V DC	0-10V DC		AS845-233	AS845-633		
				4-20mA	0-10V DC		AS845-234	AS845-634		
				4-20mA	4-20mA		AS845-235	AS845-635		
		0 to 600°C		0-10V DC	0-10V DC		AS845-236	AS845-636		
				4-20mA	0-10V DC		AS845-237	AS845-637		
				4-20mA	4-20mA		AS845-238	AS845-638		
		0 to 800°C		0-10V DC	0-10V DC		AS845-239	AS845-639		
				4-20mA	0-10V DC		AS845-240	AS845-640		
				4-20mA	4-20mA		AS845-241	AS845-641		
		0 -1000°C		0-10V DC	0-10V DC		AS845-242	AS845-642		
				4-20mA	0-10V DC		AS845-243	AS845-643		
				4-20mA	4-20mA		AS845-244	AS845-644		
		0-1200°C		0-10V DC	0-10V DC		AS845-245	AS845-645		
				4-20mA	0-10V DC		AS845-246	AS845-646		
				4-20mA	4-20mA		AS845-247	AS845-647		
<b>Input : Thermocouple J Type</b>										
		0 to 100°C		0-10V DC	0-10V DC		AS845-251	AS845-651		
				4-20mA	0-10V DC		AS845-252	AS845-652		
				4-20mA	4-20mA		AS845-253	AS845-653		
		0 to 200°C		0-10V DC	0-10V DC		AS845-254	AS845-654		
				4-20mA	0-10V DC		AS845-255	AS845-655		
				4-20mA	4-20mA		AS845-256	AS845-656		
		0 to 300°C		0-10V DC	0-10V DC		AS845-257	AS845-657		
				4-20mA	0-10V DC		AS845-258	AS845-658		
				4-20mA	4-20mA		AS845-259	AS845-659		
		0 to 400°C		0-10V DC	0-10V DC		AS845-260	AS845-660		
				4-20mA	0-10V DC		AS845-261	AS845-661		
				4-20mA	4-20mA		AS845-262	AS845-662		
		0 to 500°C		0-10V DC	0-10V DC		AS845-263	AS845-663		
				4-20mA	0-10V DC		AS845-264	AS845-664		
				4-20mA	4-20mA		AS845-265	AS845-665		
		0 to 600°C		0-10V DC	0-10V DC		AS845-266	AS845-666		
				4-20mA	0-10V DC		AS845-267	AS845-667		
				4-20mA	4-20mA		AS845-268	AS845-668		

ORDERING INFORMATION	INPUT				OUTPUT1	OUTPUT2	AUX SUPPLY	NOMINAL I/P : 230V AC/DC	NOMINAL I/P: 24V AC/DC	RIPPLE	
	VOLTAGE	CURRENT	TEMP	OTHERS				I/P FREQUENCY	90 ~ 270V AC 100 ~ 300V DC		16 ~ 36V AC 18 ~ 36V DC
					47 ~ 63Hz						
			0 to 700°C		0-10V DC	0-10V DC		AS845-269	AS845-669	< 50mV	
				4-20mA	0-10V DC		AS845-270	AS845-670			
				4-20mA	4-20mA		AS845-271	AS845-671			
		0 to 800°C		0-10V DC	0-10V DC		AS845-272	AS845-672			
				4-20mA	0-10V DC		AS845-273	AS845-673			
				4-20mA	4-20mA		AS845-274	AS845-674			
<b>Input : RTD - PT100, 2 or 3 Wire</b>											
		-100 to +100°C		0-10V DC	0-10V DC		AS845-301	AS845-701			
				4-20mA	0-10V DC		AS845-302	AS845-702			
				4-20mA	4-20mA		AS845-303	AS845-703			
		-50 to +200°C		0-10V DC	0-10V DC		AS845-304	AS845-704			
				4-20mA	0-10V DC		AS845-305	AS845-705			
				4-20mA	4-20mA		AS845-306	AS845-706			
		-50 to +50°C		0-10V DC	0-10V DC		AS845-307	AS845-707			
				4-20mA	0-10V DC		AS845-308	AS845-708			
				4-20mA	4-20mA		AS845-309	AS845-709			
		0 to 100°C		0-10V DC	0-10V DC		AS845-310	AS845-710			
				4-20mA	0-10V DC		AS845-311	AS845-711			
				4-20mA	4-20mA		AS845-312	AS845-712			
		0 to 200°C		0-10V DC	0-10V DC		AS845-313	AS845-713			
				4-20mA	0-10V DC		AS845-314	AS845-714			
				4-20mA	4-20mA		AS845-315	AS845-715			
		0 to 300°C		0-10V DC	0-10V DC		AS845-316	AS845-716			
				4-20mA	0-10V DC		AS845-317	AS845-717			
				4-20mA	4-20mA		AS845-318	AS845-718			
		0 to 400°C		0-10V DC	0-10V DC		AS845-319	AS845-719			
				4-20mA	0-10V DC		AS845-320	AS845-720			
				4-20mA	4-20mA		AS845-321	AS845-721			
		0 to 500°C		0-10V DC	0-10V DC		AS845-322	AS845-722			
				4-20mA	0-10V DC		AS845-323	AS845-723			
				4-20mA	4-20mA		AS845-324	AS845-724			
		0 to 600°C		0-10V DC	0-10V DC		AS845-325	AS845-725			
				4-20mA	0-10V DC		AS845-326	AS845-726			
				4-20mA	4-20mA		AS845-327	AS845-727			
		0 to 700°C		0-10V DC	0-10V DC		AS845-328	AS845-728			
				4-20mA	0-10V DC		AS845-329	AS845-729			
				4-20mA	4-20mA		AS845-330	AS845-730			
		0 to 800°C		0-10V DC	0-10V DC		AS845-331	AS845-731			
				4-20mA	0-10V DC		AS845-332	AS845-732			
				4-20mA	4-20mA		AS845-333	AS845-733			