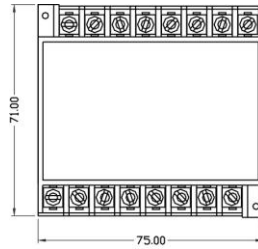


ANALOG SIGNAL CONVERTERS / ISOLATORS – ISOLATED DUAL OUTPUT



All dimensions in mm

FEATURES	<ul style="list-style-type: none"> 4 Point Isolation of 2KVAC Low ripple & noise Economical 	<ul style="list-style-type: none"> High reliability Compact 								
DESCRIPTION	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.									
ISOLATION	Input – Output1/ Output2 Input – Aux Supply Output1/Output2– Aux Supply Output1– Output2	2KVAC, 1 minute								
ACCURACY	AS845-XXX : +/- 0.7% of Full Scale @ 35°C ambient temperature	AS865-XXX : +/- 1% of Full Scale @ 35°C ambient temperature								
RESPONSE TIME	Less than 15 ms									
RIPPLE & NOISE	Less than 1% of Span									
INPUT IMPEDANCE	10V:100K ohm & 20mA:10 ohm									
MAX INPUT	100V FOR VOLTAGE OUTPUT,30mA FOR CURRENT OUTPUT									
INDICATION	Power on LED									
ADJUSTMENT	Zero & Span on front for each output									
OVERLOAD PROTECTION	Output short circuit current=30mA max									
CONNECTION DIAGRAM	VOLTAGE	CURRENT / LOOP POWERED 4-20mA	POTENTIOMETER							
	PT-100	J/K-TYPE	AC							
	OPERATING AMBIENT			0 ~ 50°C, 95% RH						
	STORAGE AMBIENT			-20°C to 85°C						
MOUNTING			35 mm DIN rail							
WEIGHT			240 gms							
ORDERING INFORMATION	INPUT				OUTPUT1	OUTPUT2	AUX SUPPLY	NOMINAL INPUT : 230VAC	NOMINAL INPUT: 24V	RIPPLE
	VOLTAGE	CURRENT	TEMP	OTHERS				I/P FREQUENCY	90 ~ 270V AC	
	0-20mV DC				0-10V DC	0-10V DC		AS845-117	AS845-517	< 50mV
					4-20mA	0-10V DC		AS845-112	AS845-512	
					4-20mA	4-20mA		AS845-118	AS845-518	
	0-75mV DC				0-10V DC	0-10V DC		AS845-104	AS845-504	
					4-20mA	0-10V DC		AS845-103	AS845-503	
					4-20mA	4-20mA		AS845-105	AS845-505	
					4-20mA	0-5V DC		AS845-203	AS845-523	

Unit No:G-5, 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 I/P FREQUENCY	NOMINAL INPUT : 230VAC	NOMINAL INPUT: 24V	RIPPLE
	VOLTAGE	CURRENT	TEMP	OTHERS				90 ~ 270V AC	18 ~ 36V DC	
								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		
-3 to +10V DC				4-20mA	0-5V DC		AS845-207	AS845-536		
				-3 to +10V DC	-3 to +10V DC		AS845-137	AS845-537		
				0-10V DC	0-10V DC		AS845-140	AS845-540		
0-10V DC				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		
				0-10V DC	0-10V DC		AS845-141	AS845-541		
0-75V DC				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		
				0-10V DC	0-10V DC		AS845-143	AS845-543		
0-120V DC				4-20mA	0-10V DC		AS845-115	AS845-515		
				4-20mA	4-20mA		AS845-144	AS845-544		
				0-10V DC	0-10V DC		AS845-145	AS845-545		
0-220V DC				4-20mA	0-10V DC		AS845-113	AS845-513		
				4-20mA	4-20mA		AS845-146	AS845-546		
				4-20mA	4-20mA		AS845-157	AS845-557		
0-300V DC				4-20mA	4-20mA		AS845-157	AS845-557		
Input : Current (mA DC)										
	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		
Input : Current (Amp AC)										
	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		
Input : Others										
			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 INPUT : 230VAC	NOMINAL INPUT: 24V	RIPPLE
	VOLTAGE	CURRENT	TEMP	OTHERS				90 ~ 270V AC	18 ~ 36V DC	
								I/P FREQUENCY	47 ~ 63Hz	
Input : Thermocouple K Type										
		-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		
Input : Thermocouple J Type										
		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 INPUT : 230VAC	NOMINAL INPUT: 24V	RIPPLE	
	VOLTAGE	CURRENT	TEMP	OTHERS				90 ~ 270V AC	18 ~ 36V DC		
								I/P FREQUENCY	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		
Input : RTD - PT100, 2 or 3 Wire											
			-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		