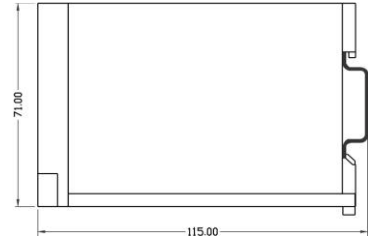
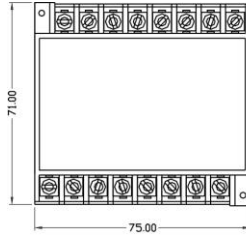


ANALOG SIGNAL CONVERTERS / ISOLATORS – ISOLATED DUAL OUTPUT



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						
	<ul style="list-style-type: none"> 0-10VDC, 20mA maximum 0-20mA / 4-20mA, 500Ω load maximum 0-5VDC, 20mA maximum 								
	OUTPUT								
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	NOMINAL I/P: 230V AC/DC	NOMINAL I/P: 24V AC/DC	RIPPLE
	VOLTAGE	CURRENT	TEMP	OTHERS			AUX SUPPLY	90 ~ 270V AC 100 ~ 300V DC	
							I/P FREQUENCY	47 ~ 63Hz	
	0-20mV DC*				0-10V DC	0-10V DC			
				4-20mA	0-10V DC			AS845-112	AS845-512
				4-20mA	4-20mA			AS845-118	AS845-518

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					
0-75mV DC				0-10V DC	0-10V DC		AS845-104	AS845-504	< 50mV					
				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						
0-200mV DC				0-10V DC	0-10V DC		AS845-119	AS845-519						
				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						
				0-20mA	0-10V DC		AS845-208	AS845-508						
-3 to +10V DC				0-20mA	0-20mA		AS845-209	AS845-509						
				-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						
				0-20mA	0-10V DC		AS845-124	AS845-524						
0-75V DC				0-20mA	0-20mA		AS845-139	AS845-539						
				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						
0-120V DC				4-20mA	0-5V DC		AS845-214	AS845-538						
				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						
Input : Current (mA DC)														
				0-20mA				AS845-147	AS845-547					
											0-10V DC	0-10V DC	AS845-116	AS845-516
											4-20mA	4-20mA	AS845-148	AS845-548
				4-20mA				AS845-149	AS845-549					
											0-10V DC	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
				0-20mA	0-10V DC		AS845-158	AS845-558						
Input : Current (Amp AC)														
				0-1A AC				AS865-101	AS865-501					
											0-10V DC	0-10V DC	AS865-102	AS865-502
											4-20mA	0-10V DC	AS865-103	AS865-503

Note: Voltage between S+ and S- is 15-18V DC, 25mA

ORDERING INFORMATION	INPUT				OUTPUT1	OUTPUT2	AUX SUPPLY I/P FREQUENCY	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		
								47 ~ 63Hz			
	0-5A AC				0-10V DC	0-10V DC		AS865-104	AS865-504	< 50mV	
					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		
Input : Thermocouple K Type											
		-200 to +200°C			0-10V DC	0-10V DC		AS845-215	AS845-615		
					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 250°C			4-20mA	0-5V DC		AS845-248	AS845-648		
		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		

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		16 ~ 36V AC
									100 ~ 300V DC		18 ~ 36V DC
									47 ~ 63Hz		
		0 to 400°C		0-10V DC	0-10V DC		AS845-260	AS845-660	< 50mV		
				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			
		0 to 700°C		0-10V DC	0-10V DC		AS845-269	AS845-669			
				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			

NOTE: * Not suitable for load cell application.