

EntelliGuard trip unit wiring

On AKR (36 pin plug) in AKD8 with 12 pin programmer disconnect

P Connector		RELT Harness 4 pin Disconnect	4 pin plug to 6 point TB	12 pin Programmer Disconnect	12 point terminal block on left sidesheet	
Pin	Function	Pin	TB	Disc	TB	Function
2	Input -	2	1			
4	Input +	1	2			
27	Output -	4	6			
30	Output +	3	5			
35	24VDC -			2	2	24VDC -
36	24VDC +			3	3	24VDC +
				1	1	VB
				4	4	VA
				5	5	ZSI-GF INPUTS +
				6	6	ZSI-GF INPUTS -
				7	7	ZSI-GF OUTPUTS +
				8	8	ZSI-GF OUTPUTS -
				10	10	VC
				11	11	COMM -
				12	12	COMM +

36 pin Programmer Disc 192A8177G8 (modify AMP 1-640526-0)

Programmer disconnect socket 192A8099P3 (AMP 641294-2)(strip)

Programmer disconnect socket 192A8099P8 (AMP 350666-2)(loose piece)

Removal Tool 286A7532P2 (AMP 455822-2)

4 pin RELT disconnect plug, bkr side 282A4630P67 (Amp 640509-0)

4 pin RELT disconnect pin, bkr side 192A8099P9 (AMP 350967-2)(strip)

4 pin RELT disconnect pin, bkr side 192A8099P4 (AMP 640545-2)(loose piece)

4 pin RELT disconnect plug, equip side 282A4630P68 (AMP 650519-0)

4 pin RELT disconnect socket, equip side 192A8099P3 (Amp 641294-2) (strip)

4 pin RELT disconnect socket, equip side 192A8099P8 (Amp 350666-2) (loose piece)

Removal Tool 286A7532P2 (AMP 455822-2)

12 Pin disconnect plug, bkr side 323A6050P1 (Amp 211759-1) (asm ref 425D366G79)

12 Pin disconnect plug, equip side 323A6050P2 (Amp 211758-1) (asm ref 75C149388G17)

12 Pin disconnect pin, bkr side 323A6050P4 (Amp 201330-6) (strip)

12 Pin disconnect pin, bkr side 323A6050P3 (Amp 201330-1) (loose piece)

12 Pin disconnect pin, equip side 323A6050P6 (Amp 200333-8)(strip)

12 Pin disconnect pin, equip side 323A6050P5 (Amp 200333-1)(loose piece)

12 Pin disconnect mtg kit, equip side 323A6050P10 (Amp 213283-2)

Hand crimp tool 323A6050P8 (Amp 90281-2)

Removal Tool 323A6050P7(AMP 305183-R)

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On WavePro (50 pin plug)

Programer Plug		Terminal Block
Pin	Function	on sidesheet
40	Input -	C35
23	Input +	C36
12	Output -	C34
2	Output +	C33
15	24VDC -	A36
14	24VDC +	A35

Programmer disc pins cannot be removed from 50 pin disconnect

EntelliGuard trip unit wiring

On Conversion kits (36 pin plug)

P Connector		RELT Harness 4 pin Disc Plug	4 pin plug to 6 point TB	9 pin communication disconnect	
Pin	Function				
40	Input -	2	1		
23	Input +	1	2		
12	Output -	4	6		
2	Output +	3	5		
36	24VDC+			1	24VDC +
35	24VDC -			2	24VDC -
				4	VA
				5	VB
				6	VC
				7	SHIELD
				8	COMM +
				9	COMM -

36 pin Programmer Disc 192A8177G8 (modify AMP 1-640526-0)

Programmer disconnect socket 192A8099P3 (AMP 641294-2)(strip)

Programmer disconnect socket 192A8099P8 (AMP 350666-2)(loose piece)

Removal Tool 286A7532P2 (AMP 455822-2)

4 pin RELT disconnect plug, bkr side 282A4630P67 (Amp 640509-0)

4 pin RELT disconnect pin, bkr side 192A8099P9 (AMP 350967-2)(strip)

4 pin RELT disconnect pin, bkr side 192A8099P4 (AMP 640545-2)(loose piece)

4 pin RELT disconnect plug, equip side 282A4630P68 (AMP 650519-0)

4 pin RELT disconnect socket, equip side 192A8099P3 (Amp 641294-2) (strip)

4 pin RELT disconnect socket, equip side 192A8099P8 (Amp 350666-2) (loose piece)

Removal Tool 286A7532P2 (AMP 455822-2)

Cap Housing (Bkr) 0282A4630P057 (Amp 77028-1)

9 pin comm disc pin, bkr side 0282A4630P060 (Amp 7700007-1)(strip)

9 pin comm disc pin, bkr side 0282A4630P059 (Amp 770250-1)(loose piece)

Plug Housing (Equip) 0282A4630P047 (Amp 770021-1)

9 pin comm disc socket, equip side 0282A4630P052 (Amp 770008-3)(strip)

9 pin comm disc socket, equip side 0282A4630P050 (Amp 770251-3)(loose piece)

Removal Tool 0282A4630P056 (Amp 318851-1)