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Report Issuir	-	Same as Manufacture Leatherhead, UK	r Le	
Control Num	ber: <u>4008610</u>	Authorized by:	faml Ma	the and a continue Management
			for L. Ma	tthew Snyder, Certification Manager
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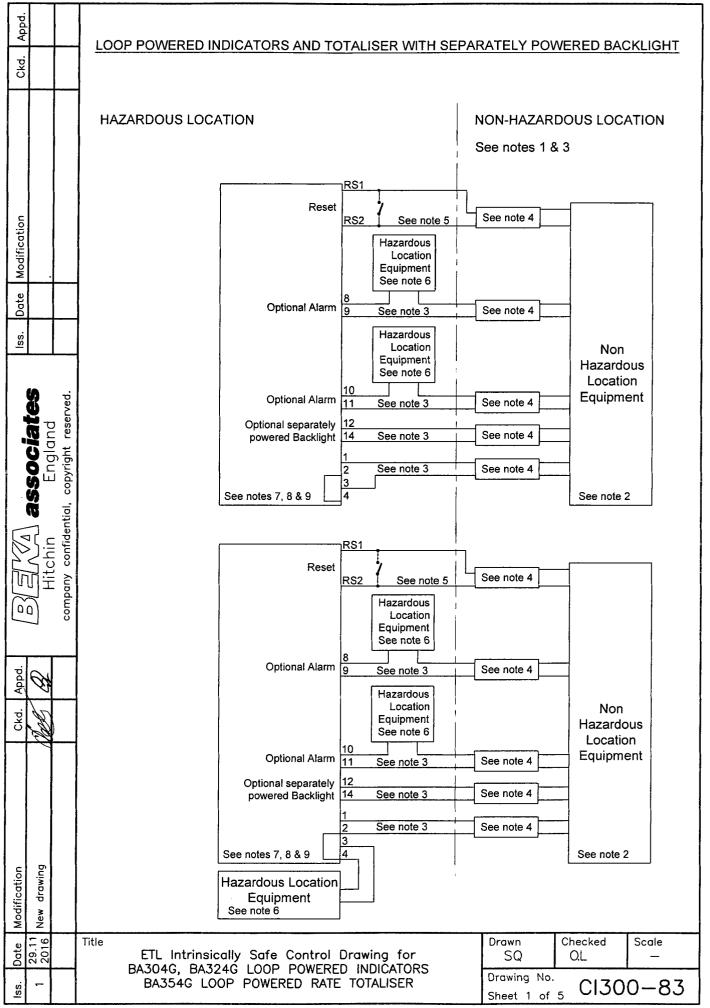
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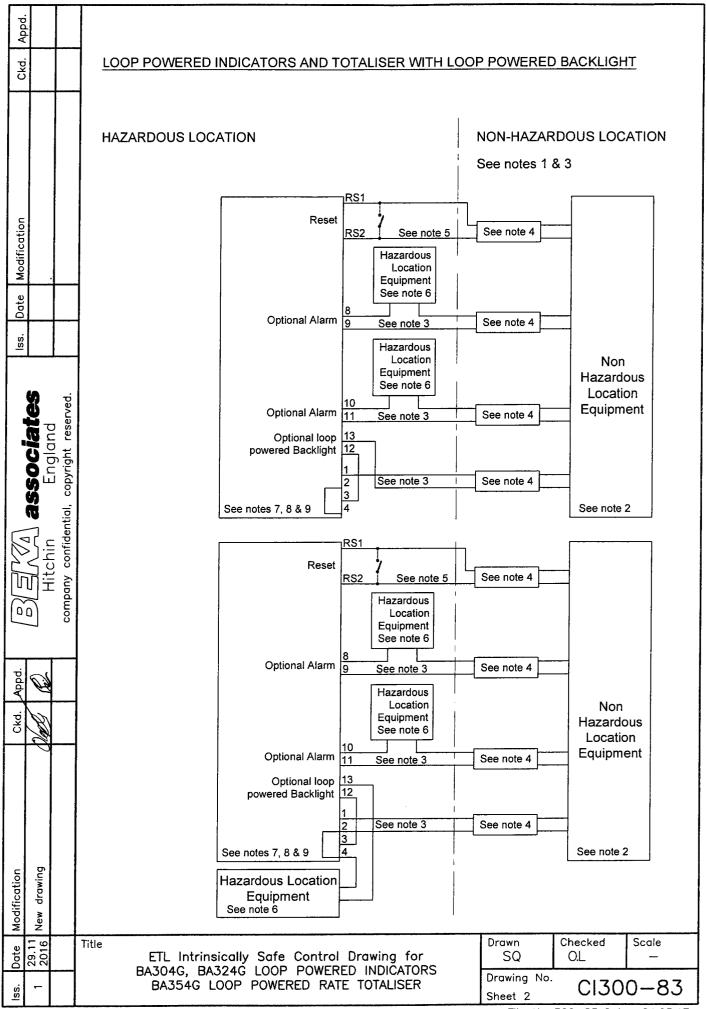
AUTHORIZATION TO MARK



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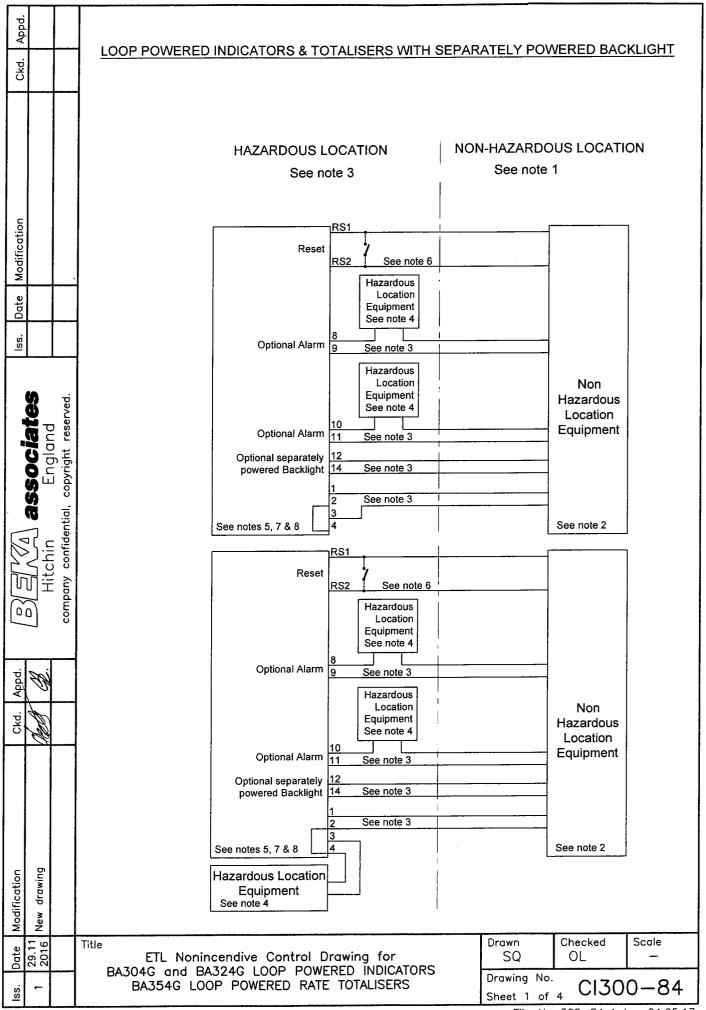


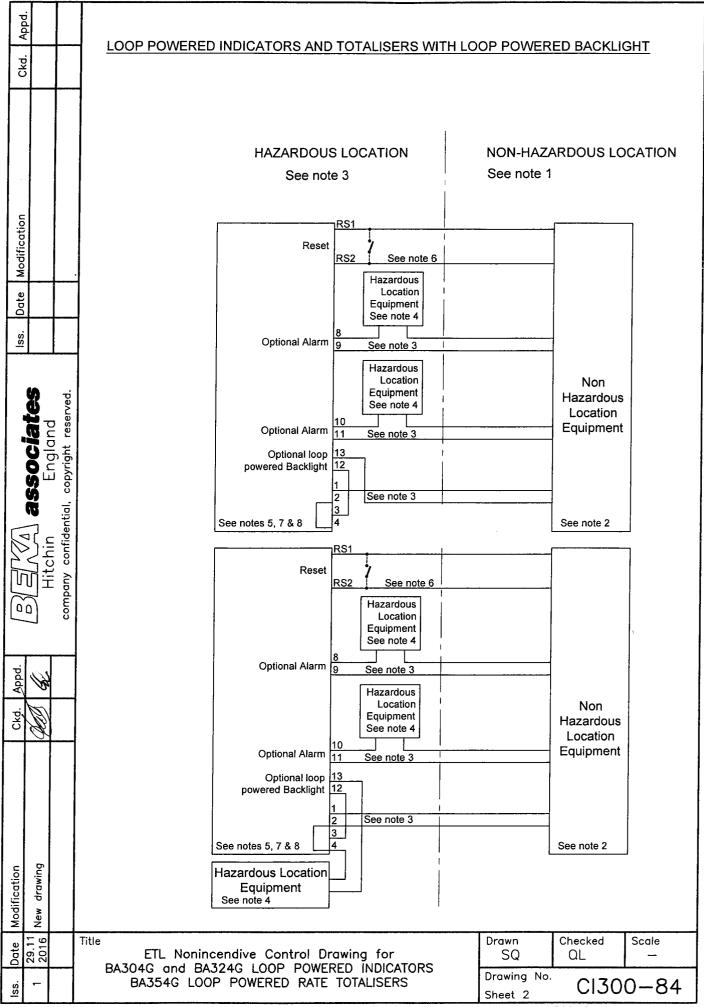
Appd.							
Ckd.	Note	es					
0	n F N	manufa For inst NRTL c	cturers instructions shall allations in Canada the a	rs and galvanic isolators shall be followed when installing thi associated protective barriers a manufacturers installation dra	s equipment ind galvanic	isolators sh	all be
Modification .	2. T	The und	classified location equipn	nent shall not use or generate r	more than 25	50V rms or 2	250V dc.
Iss. Date M	s	System	s for Hazardous (Classifi	nce with ANSI/ISA RP 12.06.01 (ed) Locations' and the Nationa in accordance with the Canadia	I Electrical C	Code ANSI/N	NFPA 70.
atos Id eserved.			-	hannel associated protective b n the following requirements:	arrier or galv	vanic isolato	r with
aht a		Uo	equal or less than	The lowest Ui of the NRTL of installed in the loop.	or CSA appre	oved appara	atus
ASSO En Eid, copyri		ю	equal or less than	The lowest li of the NRTL of installed in the loop.	r CSA appro	ved apparat	us
tchin confidential		Po	equal or less than	The lowest Pi of the NRTL of installed in the loop.	or CSA appro	oved appara	itus
Hit Company		Lo	equal or greater than	The sum of the cable induct inductances Li of each NRT apparatus in the loop.			
Ckd. Appd.		Co	equal or greater than	The sum of the cable capac capacitance Ci of each NRT apparatus in the loop.			
	TI or re	'hey ma r galvai equirem	ay be connected to one s nic isolator as defined in nents for simple apparatu	e only fitted to BA354G Rate T ingle channel or one two chan note 4 And / or to a single pol us as defined in the National El the Canadian Electrical Code C	nel associate e switch com ectrical Code	plying with	
Modification New drawing	<u></u>						
Date 29.11 2016	Title	BA3	TL Intrinsically Safe C 804G, BA324G LOOP F	POWERED INDICATORS	Drawn SQ Drawing No.	Checked QL	Scale —
- <mark>1</mark> 85.		E	BA354G LOOP POWERE	U KAIL IUIALISEK	Sheet 3	<u> </u>	0-83 dwg 29.11.16

	;	Τ	[······································			
Appd.						e National Electrical Coo ne Canadian Electrical C		0,	
Ckd			OR:						
			Ui equ	al or greate	er than	NRTL or CSA ap	proved appa	ıratus	
			li equ	al or greate	RTL or CSA app	roved appar	atus		
Б			Pi equ	al or greate	NRTL or CSA ap	proved appa	ratus		
Modification			app pow	ne NRTL or roved appa ering the lo	aratus oop	The sum of the cable ir	ductoness and t	ha intornal	
s. Date			equ	al or greate		inductances Li of each apparatus in the loop.			
lss.	\$	ed.	appi pow	e NRTL or roved appa ering the lo al or greate	apacitances and	the internal			
	Enaland	00	Uqu.			capacitances Ci of each apparatus in the loop.			
	<u>「</u> 」 Hitchin	any confidential,	7. Loop power shown in the			o powered rate totalisers	with coding and	model num	bers as
	5	comp(ſ		'G' FIEL	D MOUNTING INSTRUMENTS			
		ŏ	Туре	Model Nos.		Division Marking	Zonal Marking	An	nbient Temp.
Appd.	G		Loop powered indicators Loop powered rate totaliser	BA304G BA324G BA354G	Gas: Class I Divis	ion 1 Groups A, B, C & D T5	Gas: Class Zone 0 AEx ic	IIC T5 Ga -40	rC to +70°C
Ckd.	la l				Dust: Class II Divis Class III Divis	sion 1 Groups E, F & G sion 1	Dust: Zone 20 AEx ia IIIC Ti	80°C Da -40	7℃ to +60℃
Modification	New drawing $harrow$	7		re manufac	tured from	24G Indicators and the B n conducting plastic per /	Article 250 of the		
lss. Date	1 29.11 2016		BA304G,	BA324G L	.00P PO\	trol Drawing for NERED INDICATORS RATE TOTALISER	Drawn SQ Drawing No	Checked OL CI30	Scale - 0-83
<u> </u>							Sheet 4		

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e												
And	; 2 2											
Ckd.			7 9). Safety para								
Ď		-	-	4/20mA	nput te		out terminals vered backlig		2 & 13			
				Ui li Pi Uc Io Pc	= = = =	30V 200mA 0.84W 1.1V 3mA 4.5mW		Ui Ii Pi Uo Io Po		30V 200mA 0.84W 1.1V 3mA 4.5mW		
te Modification				Ci Li Co Lo		5.4nF 0.016mH 60.6nF 0.78mH		Ci Li Co Lo	= = =	5.4nF 0.016mH 60.6nF 0.78mH		
lss. Date				Separate terminals		ered backlight 4.	ŀ	Alarm	termir	als 8, 9, 10 a	and 11	
1	associates	copyright reserved.		Ui li Pi	= =	30V 200mA 0.84W		Ui Ii Pi Uo Io Po		30V 200mA 0.84W 1.47V 1.0µA 2.2µW		
	-	ential,		Ci Li Co Lo	= = =	3.3nF 0.008mH 63nF 0.79mH		Ci Li Co Lo	= = =	0nF 0.008mH 66nF 0.79mH		
\sim	IJï					RS1 & RS2 aliser only.						
Ckd. Appd.		cou		Ui Ii Vo Io Po Ci Li Co		30V 200mA 0.84W 6V 2.5mA 3.8mW 0nF 0.008mH 66nF 0.79mH						
Modification	New drawing											
Date	29.11 2016		Title	BA304G, B/	4324G	Safe Control Di LOOP POWERED	INDICATO	DRS		Drawn SQ Drawing No.	Checked QL	Scale -
lss.	-			BA354G		POWERED RATE	IUIALISE	7		Sheet 5	<u> </u>	0-83





Appd	Notes				
Ckd.	1. The unclassi	fied locatio	n equipment shall not use or gene	erate more than 25	50V rms or 250V dc.
чо	ANSI/NFPA Field Wiring wiring metho	70. The N Apparatus ods permitte	ng installations shall be in accorda Ionincendive Field Wiring concept with Associated Nonincendive Fie ed for unclasified locations. Insta trical Code C22.2.	allows interconne d Wiring Apparati	ection of Nonincendi us using any of the
lss. Date Modification	simple appar	ratus as de	pment shall be NRTL Approved No fined in ANSI/NFPA70. For Can TL or CSA Approved Nonincendive	adian installations	classified location
ates nd reserved.			efined in the National Electrical Co In Electrical Code C22.2 or as defi), or for installations
SSOCIAI England copyright rese	5. Loop powere shown in the		s and loop powered rate totalisers ow.	with model numbe	ers and coding as
	Туре	Model Nos.	'G' FIELD MOUNTING INSTRUMENT: Division Marking	S Zonal Marking	Ambient Temp.
B임립시A as Hitchin company confidential, c	Type Loop powered indicators Loop powered rate totaliser	Model Nos. BA304G BA324G BA354G			Ambient Temp. -40°C to +70°C
Itchin v confidential,	Loop powered indicators Loop powered rate totaliser 6. Reset termina They may be	BA304G BA324G BA354G als RS1 an connected	Division Marking Class I Division 2 Groups A, B, C & D T5 Class II Division 2 Groups F & G	Zonal Marking None IG Rate Totaliser. J Wiring Apparatus	-40°C to +70°C
Appd. BELOND A. Hitchin company confidential,	 Loop powered indicators Loop powered rate totaliser 6. Reset termina They may be Nonincendive 7. CAUTION Th 	BA304G BA324G BA354G als RS1 an connected Field Wiri	Division Marking Class I Division 2 Groups A, B, C & D T5 Class II Division 2 Groups F & G Class III Division 2 d RS2 are only fitted to the BA354 I to Associated Nonincendive Field	Zonal Marking None G Rate Totaliser. J Wiring Apparatus such as a single p 54G Rate Totalise	-40°C to +70°C s, pole switch. er enclosures
Modification Ckd. Appd. D D D Appl. Ap	Loop powered indicators Loop powered rate totaliser 6. Reset termina They may be Nonincendive 7. CAUTION Th are manufact	BA304G BA324G BA354G als RS1 an connected Field Wiri	Division Marking Class I Division 2 Groups A, B, C & D T5 Class II Division 2 Groups F & G Class III Division 2 d RS2 are only fitted to the BA354 I to Associated Nonincendive Field ng Apparatus or simple apparatus 6, BA324G Indicators and the BA3	Zonal Marking None G Rate Totaliser. d Wiring Apparatus such as a single p 54G Rate Totalise of the National Ele	s, pole switch. er enclosures ectrical Code.
Modification Ckd. Appd. D D A New drawing M M M A A New drawing M M A A	Loop powered indicators Loop powered rate totaliser 6. Reset termina They may be Nonincendive 7. CAUTION Th are manufact	BA304G BA324G BA324G BA354G als RS1 an connected Field Wiri ne BA304G tured from	Division Marking Class I Division 2 Groups A, B, C & D T5 Class II Division 2 Groups F & G Class III Division 2 d RS2 are only fitted to the BA354 I to Associated Nonincendive Field ng Apparatus or simple apparatus 6, BA324G Indicators and the BA3	Zonal Marking None G Rate Totaliser. d Wiring Apparatus such as a single p 54G Rate Totalise of the National Ele	-40°C to +70°C s, pole switch. er enclosures

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File No. 300-84s3 dwg. 04 05 17				
	File	No	300-84s3.dwa	04.05.17

Appd.												
Ckd	-	8. Safety parameters 4/20mA input terminals 1, 2, 3 & 4				4/20mA input terminals 1, 2, 3, 4, 12 & 13 & loop powered backlight.						
	li Uo Io	= = =	200mA 1.1V 3mA	li Uo Io	= = =	200mA 1.1V 3mA						
Modification	Separately terminals		red backlight 4.	Alarm	n termi	inals 8, 9, 10 and 11						
Date Mod	Ui	=	30V	Ui li Uo lo	= = =	30V 200mA 1.47V 1.0µА						
			RS1 & RS2 354NG rate totalisers o	nly.								
B실립시A associates Hitchin England company confidential, copyright reserved.	Ui Uo Io	=	4.3V 6V 2.5mA									
UKG. Appa.												
Modification New drawing												
Date 29.11 2016	Title ETL Nonin BA304G and BA	cendiv 324G	e Control Drawing fo LOOP POWERED IND	or ICATORS		Drawn Checked Scale SQ OL -						
· - !			WERED RATE TOTALIS		Drawing No. Sheet 4 CI300-8							

CI300-84