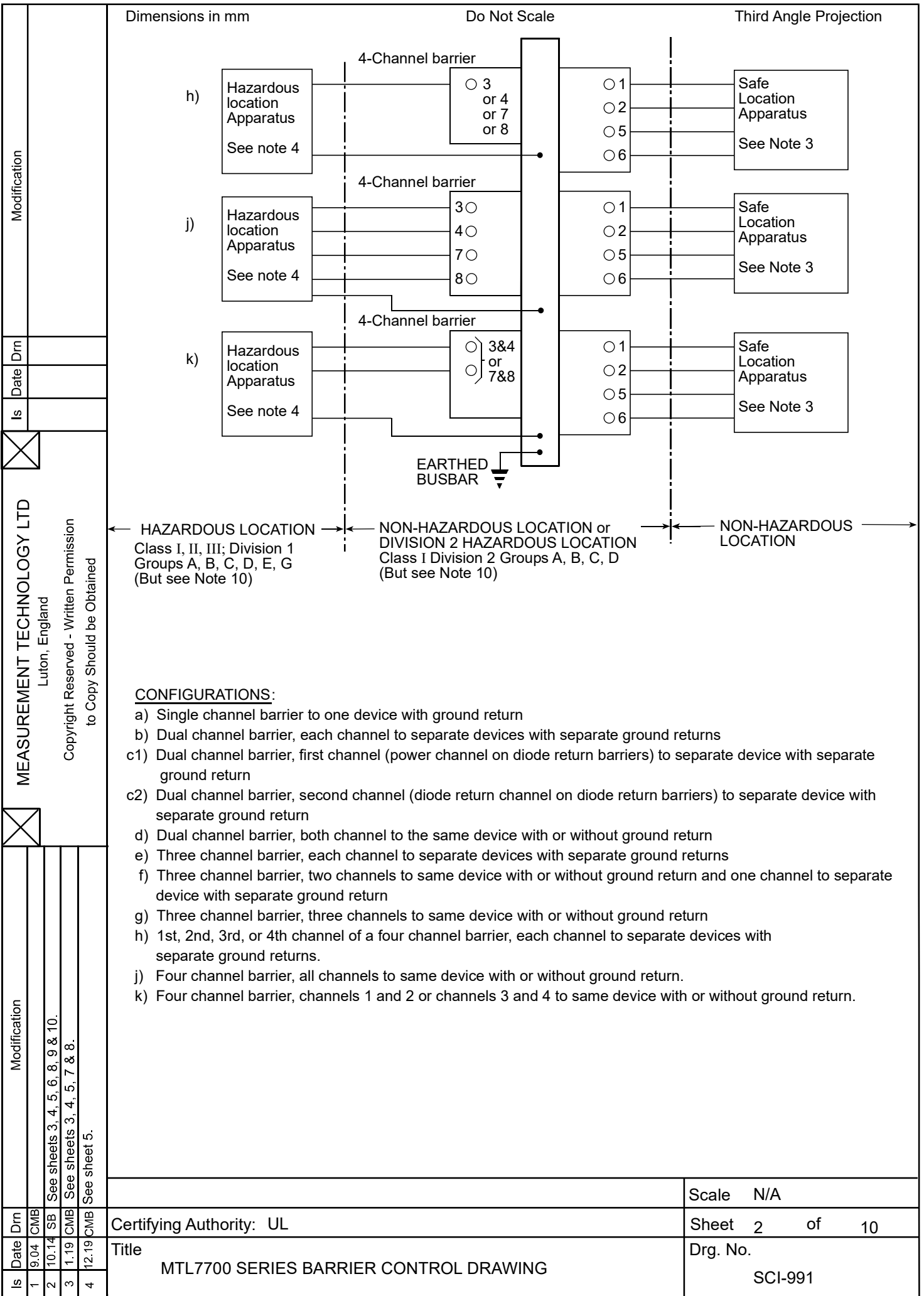


Scale	N/A
Sheet	1 of 10
Drg. No.	SCI-991



MEASUREMENT TECHNOLOGY LTD
Luton, England

Copyright Reserved - Written Permission
to Copy Should be Obtained

Modification	
Is	1
Date	9.04
Drn	CMB
Is	2
Date	10.14
Drn	SB
Is	3
Date	1.19
Drn	CMB
Is	4
Date	12.19
Drn	CMB

Certifying Authority: UL		Scale N/A
Title MTL7700 SERIES BARRIER CONTROL DRAWING		Sheet 2 of 10
		Drg. No. SCI-991

Dimensions in mm

Do Not Scale

Third Angle Projection

Note 1

MTL7700 Series Shunt Diode Barriers must be secured to a DIN 'T' section (35x27x7.5mm) mounting rail. Rails constructed of aluminium or aluminium-based alloys must not be used. The mounting rail must be provided with at least one grounding terminal (two are recommended) which should be situated at each end of the rail. These terminals are to be used for the intrinsic safety grounding and must be capable of accommodating conductors up to 4mm in cross-section (12 AWG).

Note 2

The intrinsic safety grounding system must be such that when installed the ground loop impedance (including the mounting rail) does not exceed 1.0Ω.

Note 3

The Non-Hazardous (Safe) Location or Division 2 equipment must not generate or use voltages (Um) in excess of 250V rms or dc with respect to earth.

Note 4

The Hazardous Location equipment may be UL Listed devices suitable for the locations which it is to be installed and with correct Entity parameters or Simple Apparatus.

If the Simple Apparatus consists only of switches, then the entity parameter table on subsequent pages of this drawing applies without any temperature limitation.

If the Simple Apparatus consists of thermocouples (TC's), Light Emitting Diodes (LED's) or Resistance Temperature Devices (RTD's), with or without switches, then the maximum output power (Po) from the barrier connected to simple apparatus must not exceed the following:

Maximum barrier output power (Po)	Maximum ambient Temperature (Ta) where simple apparatus is located
1.3 Watts	40°C

Note 5

Associated apparatus must be installed in an enclosure suitable for the application in accordance with the National Electrical Code (ANSI/NFPA 70) for installation in the United States, or other local codes, as applicable.

Note 6

The MTL7700 Series Shunt Diode safety barriers are Associated Apparatus, and when mounted in an appropriate enclosure may be installed in the following locations:

- i) Non-Hazardous (Safe) Locations
- ii) Class I, Division 2, Groups A,B,C, and D Hazardous Locations and T4 Temperature code.

Modification

Drn

Date

Is



MEASUREMENT TECHNOLOGY LTD
Luton, England
Copyright Reserved - Written Permission
to Copy Should be Obtained



Modification

Drn

Date

Is

1	9.04	CMB
2	10.14	SB
3	1.19	CMB
4	12.19	CMB

Note 6 reworded.
Note 5 amended.
See sheet 5.

Certifying Authority: UL

Title
MTL7700 SERIES BARRIER CONTROL DRAWING

Scale N/A

Sheet 3 of 10

Drg. No.
SCI-991

Modification		Dimensions in mm		Do Not Scale		Third Angle Projection	
		<p><u>Note 7</u> Barriers must be installed in accordance with the barrier manufacturer's control drawing and Article 504 of the National Electrical Code, ANSI/NFPA 70 for installation in the United States.</p> <p><u>Note 8</u> Entity parameters for barriers listed in the parameters table must be used to determine the suitability of the barrier for connection to hazardous location apparatus. The following must be observed:</p> <p>Voc or Vt (Uo) ≤ Vmax (Ui) Isc or It (Io) ≤ Imax (Ii) Po ≤ Pi Ca (Co) ≥ Ccable + Ci La (Lo) ≥ Lcable + Li or La/Ra (Lo/Ro) ≥ Lcable/Rcable and La/Ra (Lo/Ro) ≥ Li/Ri</p> <p><u>Note 9</u> Capacitance and inductance of the field wiring from the intrinsically safe equipment to the associated apparatus shall be calculated and must be included in the system calculations as shown in the tables on the following pages. Cable capacitance, Ccable, plus intrinsically safe equipment capacitance, Ci must be less than the marked capacitance, Ca (or Co), shown on any associated apparatus used. The same applies for inductance (Lcable, Li and La or Lo, respectively). Where the cable capacitance and inductance per foot are not known, the following values shall be used: Ccable = 60 pF/ft., Lcable = 0.2 μH/ft.</p> <p><u>Note 10</u> Certain barriers are not permitted as associated apparatus for Div 1 Groups A,B. Refer to entries with asterisks in the following table.</p> <p><u>Note 11</u> When fitted in a Safe Area, the barriers may be used at the same maximum ambient temperature as when used in Division 2.</p> <p><u>NOTE 12</u> Warning - Substitution of components may impair intrinsic safety or suitability for Class I, Division 2.</p> <p><u>NOTE 13</u> For installations in which both the Ci and Li of the intrinsically safe apparatus exceeds 1% of the Ca (or Co) and La (or Lo) parameters of the associated apparatus (excluding the cable), then 50% of Ca (or Co) and La (or Lo) parameters are applicable and shall not be exceeded. The reduced capacitance shall not be greater than 1μF for Groups C and/or D, and 600nF for Groups A and B.</p> <p><u>WARNING:</u> The following precautions must be taken when MTL7700 Series Shunt Diode Barriers are installed in Division 2 Hazardous locations:</p> <p>i) Barriers must not be fitted to or removed from the DIN rail unless power is off or the location is known to be free of flammable vapors.</p> <p>ii) Plug in terminals on non-hazardous (Safe) side of the barriers as well as the bus power terminal jumper of barriers fitted with the bus power feature, must not be inserted or removed unless power is off or the location is known to be free of flammable vapors.</p>					
Is		Date	Drm	<p>MEASUREMENT TECHNOLOGY LTD Luton, England Copyright Reserved - Written Permission to Copy Should be Obtained</p>			
Modification		<p>Scale N/A</p> <p>Sheet 4 of 10</p> <p>Drg. No. SCI-991</p>					
Is	1	Date	9.04	Certifying Authority: UL		Title	
	2		10.14	MTL7700 SERIES BARRIER CONTROL DRAWING			
	3		1.19				
	4		12.19	<p>Note 12 reworded. Notes 9 & 13 added. See sheet 5.</p>			

Is	Date	Drn	Modification
1	9.04	CMB	
2	10.14	SB	All "-" versions and 7728 modules deleted.
3	1.19	CMB	MTL7728P+ added to table.
4	12.19	CMB	MTL7728- added to table.

MEASUREMENT TECHNOLOGY LTD Luton, England		Date	Drn	Modification					
Copyright Reserved - Written Permission to Copy Should be Obtained									
Dimensions in mm									
Do Not Scale									
Third Angle Projection									
BARRIER Model Terminals	C O N F I G	Voc or Uo (V)	Isc or Io (mA)	Ro (ohms)	Po (W)	Ca or Co (μF) AB/CE/DFG	La or Lo (mH) AB/CE/DFG	La/Ra or Lo/Ro (μH/Ω) AB/CE/DFG	
MTL7706+ 3 & 4	a	28	93	300	0.65	0.083/0.65/2.15	4.2/12.6/33.6	56/210/444	
MTL7707+ 3 & GND	c1	28	93	300	0.65	0.083/0.65/2.15	4.2/12.6/33.6	56/210/444	
MTL7707+ 4 & GND	c2	28	0	diode	—	0.083/0.65/2.15	—	—	
MTL7707+ 3 & 4	d	29.6	97.7	300	0.72	0.07/0.578/1.88	3.7/12.6/29.7	49/196/393	
MTL7707P+ 3 & GND	c1	28	171	164	1.2	*0.65/2.15	*5.103/10.206	*119/236	
MTL7707P+ 4 & GND	c2	28	0	diode	—	*0.65/2.15	—	—	
MTL7707P+ 3 & 4	d	29.6	179	164	1.33	*0.578/1.88	*14.4/8.8	*107/213	
MTL7710+ 3 & 4	a	10	200	50	0.5	3.0/20/100	0.91/2.72/7.25	74/310/627	
MTL7715+ 3 & 4	a	15	150	100	0.56	0.58/3.55/14	1.45/7.22/14	66/263/544	
MTL7715P+ 3 & 4	a	15	291	51	1.09	0.58/3.55/14.0	0.33/0.99/2.64	28/140/280	
MTL7722+ 3 & 4	a	22	147	150	0.81	0.165/1.14/4.2	1.45/7.22/14	45/180/373	
MTL7728+/-ac 3 & 4	a	28	93	300	0.65	0.083/0.65/2.15	4.2/12.6/33.6	56/210/444	
MTL7728P+ 3 & 4	a	28	119	239.6	0.83	0.083/0.65/2.15	2.57/7.53/20	44/168/354	
Certifying Authority: UL		Scale N/A			Sheet 5 of 10		Drg. No. SCI-991		
Title MTL7700 SERIES BARRIER CONTROL DRAWING					* Not permitted for Groups A/B				

Is	Date	Drn	Modification
1	9.04	CMB	
2	10.14	SB	*- version of MTL7729P removed.
3	1.19	CMB	See sheets 3, 4, 5, 7 & 8.
4	12.19	CMB	See sheet 5.

MEASUREMENT TECHNOLOGY LTD Luton, England		Date	Drn	Modification
Copyright Reserved - Written Permission to Copy Should be Obtained				
C	O	N	F	I
G	V	I	o	l
BARRIER Model	Terminal	Ro (ohms)	Po (W)	Ca or Co (µF) AB/CE/DFG
MTL7729P+ 3 & 4	a	164	1.19	* /5.65/11.34
MTL7741 3 & 4	d	—	0.039	96 /365/696
MTL7742 3 & 4	d	—	0.039	96 /365/696
MTL7743 3 & 4 or 7 & 8	k	—	0.039	96 /365/696
MTL7743 3,4,7 & 8	j	—	0.078	25 /91/193
MTL7744 3 & 4 or 7 & 8	k	—	0.039	96 /365/696
MTL7744 3,4,7 & 8	j	—	0.078	25 /91/193
MTL7745 3 & 4	d	—	0.039	96 /365/696
MTL7755ac 3 & GND or 4 & GND	b	10	0.272	0.32/1.3/2.61
MTL7755ac 3 & 4	d	5	0.544	32/130/261

Dimensions in mm		Do Not Scale	Third Angle Projection
Certifying Authority: UL		Scale	N/A
Title		Sheet	6 of 10
MTL7700 SERIES BARRIER CONTROL DRAWING		Drg. No.	SCI-991

* Not permitted for Groups A/B

Is	Date	Drn	Modification
1	9.04	CMB	
2	10.14	SB	See sheets 3, 4, 5, 6, 8, 9 & 10.
3	1.19	CMB	Ca or Co amended for MTL7760.
4	12.19	CMB	See sheet 5.
MEASUREMENT TECHNOLOGY LTD Luton, England Copyright Reserved - Written Permission to Copy Should be Obtained			

Dimensions in mm										Do Not Scale										Third Angle Projection																																																																																																																														
<table border="1"> <thead> <tr> <th>BARRIER Model Terminals</th> <th>C O N F I G</th> <th>Voc or Uo (V)</th> <th>Isc or Io (mA)</th> <th>Ro (ohms)</th> <th>Po (W)</th> <th>Ca or Co (μF) AB/CE/DFG</th> <th>La or Lo (mH) AB/CE/DFG</th> <th>La/Ra or Lo/Ro (μH/Ω) AB/CE/DFG</th> </tr> </thead> <tbody> <tr> <td>MTL7756ac 3 & GND or 4 & GND or 7 & GND</td> <td>e</td> <td>3</td> <td>300</td> <td>10</td> <td>0.225</td> <td>100/1000/1000</td> <td>0.46/1.37/3.66</td> <td>145/722/1442</td> </tr> <tr> <td>MTL7756ac 3 & 4 or 4 & 7 or 3 & 7</td> <td>f</td> <td>6</td> <td>600</td> <td>5</td> <td>0.45</td> <td>40/1000/1000</td> <td>0.13/0.39/1.03</td> <td>69/206/548</td> </tr> <tr> <td>MTL7756ac 3 & 4 & 7</td> <td>g</td> <td>6</td> <td>900</td> <td>3.3</td> <td>0.675</td> <td>40/1000/1000</td> <td>0.06/0.19/0.49</td> <td>44/131/349</td> </tr> <tr> <td>MTL7758+/- 3 & GND</td> <td>c1</td> <td>7.5</td> <td>750</td> <td>10</td> <td>1.4</td> <td>11.1/174/1000</td> <td>0.07/0.20/0.54</td> <td>26/77/206</td> </tr> <tr> <td>MTL7758+/- 4 & GND</td> <td>c2</td> <td>7.5</td> <td>750</td> <td>10</td> <td>1.4</td> <td>11.1/174/1000</td> <td>0.07/0.20/0.54</td> <td>26/77/206</td> </tr> <tr> <td>MTL7758+/- 3 & 4</td> <td>d</td> <td>8.0</td> <td>1500</td> <td>5</td> <td>2.8</td> <td>8.4/100/1000</td> <td>0.02/0.05/0.14</td> <td>10/30/81</td> </tr> <tr> <td>MTL7760ac 3 & GND or 4 & GND</td> <td>b</td> <td>10</td> <td>200</td> <td>50</td> <td>0.5</td> <td>3.0/20/100</td> <td>0.91/2.72/7.25</td> <td>74/308/617</td> </tr> <tr> <td>MTL7760ac 3 & 4</td> <td>d</td> <td>10</td> <td>400</td> <td>25</td> <td>1.0</td> <td>3.0/20/100</td> <td>0.2/1.0/1.8</td> <td>35.6/142.2/284.4</td> </tr> <tr> <td>MTL7761ac 3 & GND or 4 & GND</td> <td>b</td> <td>9</td> <td>100</td> <td>90</td> <td>0.225</td> <td>4.9/40/500</td> <td>3.65/14.6/29.2</td> <td>160/616/1281</td> </tr> <tr> <td>MTL7761ac 3 & 4</td> <td>d</td> <td>18</td> <td>200</td> <td>45</td> <td>0.45</td> <td>0.31/1.78/7.6</td> <td>0.91/2.72/7.2</td> <td>62/258/522</td> </tr> <tr> <td>MTL7761Pac 3 & GND or 4 & GND</td> <td>b</td> <td>9</td> <td>26</td> <td>351.5</td> <td>0.058</td> <td>4.9/40/500</td> <td>54/208/419</td> <td>613/2382/2778</td> </tr> <tr> <td>MTL7761Pac 3 & 4</td> <td>d</td> <td>18</td> <td>52</td> <td>175.75</td> <td>0.115</td> <td>0.31/1.78/7.6</td> <td>13.5/52.6/105.2</td> <td>236/870/1747</td> </tr> </tbody> </table>										BARRIER Model Terminals	C O N F I G	Voc or Uo (V)	Isc or Io (mA)	Ro (ohms)	Po (W)	Ca or Co (μF) AB/CE/DFG	La or Lo (mH) AB/CE/DFG	La/Ra or Lo/Ro (μH/Ω) AB/CE/DFG	MTL7756ac 3 & GND or 4 & GND or 7 & GND	e	3	300	10	0.225	100/1000/1000	0.46/1.37/3.66	145/722/1442	MTL7756ac 3 & 4 or 4 & 7 or 3 & 7	f	6	600	5	0.45	40/1000/1000	0.13/0.39/1.03	69/206/548	MTL7756ac 3 & 4 & 7	g	6	900	3.3	0.675	40/1000/1000	0.06/0.19/0.49	44/131/349	MTL7758+/- 3 & GND	c1	7.5	750	10	1.4	11.1/174/1000	0.07/0.20/0.54	26/77/206	MTL7758+/- 4 & GND	c2	7.5	750	10	1.4	11.1/174/1000	0.07/0.20/0.54	26/77/206	MTL7758+/- 3 & 4	d	8.0	1500	5	2.8	8.4/100/1000	0.02/0.05/0.14	10/30/81	MTL7760ac 3 & GND or 4 & GND	b	10	200	50	0.5	3.0/20/100	0.91/2.72/7.25	74/308/617	MTL7760ac 3 & 4	d	10	400	25	1.0	3.0/20/100	0.2/1.0/1.8	35.6/142.2/284.4	MTL7761ac 3 & GND or 4 & GND	b	9	100	90	0.225	4.9/40/500	3.65/14.6/29.2	160/616/1281	MTL7761ac 3 & 4	d	18	200	45	0.45	0.31/1.78/7.6	0.91/2.72/7.2	62/258/522	MTL7761Pac 3 & GND or 4 & GND	b	9	26	351.5	0.058	4.9/40/500	54/208/419	613/2382/2778	MTL7761Pac 3 & 4	d	18	52	175.75	0.115	0.31/1.78/7.6	13.5/52.6/105.2	236/870/1747	Scale N/A										Sheet 7 of 10									
BARRIER Model Terminals	C O N F I G	Voc or Uo (V)	Isc or Io (mA)	Ro (ohms)	Po (W)	Ca or Co (μF) AB/CE/DFG	La or Lo (mH) AB/CE/DFG	La/Ra or Lo/Ro (μH/Ω) AB/CE/DFG																																																																																																																																										
MTL7756ac 3 & GND or 4 & GND or 7 & GND	e	3	300	10	0.225	100/1000/1000	0.46/1.37/3.66	145/722/1442																																																																																																																																										
MTL7756ac 3 & 4 or 4 & 7 or 3 & 7	f	6	600	5	0.45	40/1000/1000	0.13/0.39/1.03	69/206/548																																																																																																																																										
MTL7756ac 3 & 4 & 7	g	6	900	3.3	0.675	40/1000/1000	0.06/0.19/0.49	44/131/349																																																																																																																																										
MTL7758+/- 3 & GND	c1	7.5	750	10	1.4	11.1/174/1000	0.07/0.20/0.54	26/77/206																																																																																																																																										
MTL7758+/- 4 & GND	c2	7.5	750	10	1.4	11.1/174/1000	0.07/0.20/0.54	26/77/206																																																																																																																																										
MTL7758+/- 3 & 4	d	8.0	1500	5	2.8	8.4/100/1000	0.02/0.05/0.14	10/30/81																																																																																																																																										
MTL7760ac 3 & GND or 4 & GND	b	10	200	50	0.5	3.0/20/100	0.91/2.72/7.25	74/308/617																																																																																																																																										
MTL7760ac 3 & 4	d	10	400	25	1.0	3.0/20/100	0.2/1.0/1.8	35.6/142.2/284.4																																																																																																																																										
MTL7761ac 3 & GND or 4 & GND	b	9	100	90	0.225	4.9/40/500	3.65/14.6/29.2	160/616/1281																																																																																																																																										
MTL7761ac 3 & 4	d	18	200	45	0.45	0.31/1.78/7.6	0.91/2.72/7.2	62/258/522																																																																																																																																										
MTL7761Pac 3 & GND or 4 & GND	b	9	26	351.5	0.058	4.9/40/500	54/208/419	613/2382/2778																																																																																																																																										
MTL7761Pac 3 & 4	d	18	52	175.75	0.115	0.31/1.78/7.6	13.5/52.6/105.2	236/870/1747																																																																																																																																										
Certifying Authority: UL										Drg. No.										SCI-991																																																																																																																														
Title										MTL7700 SERIES BARRIER CONTROL DRAWING																																																																																																																																								

Is	Date	Drn	Modification
1	9.04	CMB	
2	10.14	SB	All "-" versions deleted.
3	1.19	CMB	La or Lo amended for MTL7766Pac.
4	12.19	CMB	See sheet 5.


MEASUREMENT TECHNOLOGY LTD Luton, England Copyright Reserved - Written Permission to Copy Should be Obtained				Is	Date	Drn	Modification

Dimensions in mm Do Not Scale Third Angle Projection	
	Scale N/A Sheet 8 of 10 Drg. No. SCI-991

BARRIER Model Terminals	C O N F I G	Voc or Uo (V)	Isc or Io (mA)	Ro (ohms)	Po (W)	Ca or Co (µF) AB/CE/DFG	La or Lo (mH) AB/CE/DFG	La/Ra or Lo/Ro (µH/Ω) AB/CE/DFG
MTL7764+ 3 & GND or 4 & GND	b	12	12	1000	0.036	1.41/9/36	240/932/1000	1000/1000/1000
MTL7764+ 3 & 4	d	13	24	500	0.072	1.0/6.2/22.5	61/226/452	360/1398/1500
MTL7764ac 3 & GND or 4 & GND	b	12	12	1000	0.036	1.41/9/36	240/932/1000	997/1000/1000
MTL7764ac 3 & 4	d	24	24	500	0.072	0.125/0.93/3.35	50.9/203/407	360/1398/1500
MTL7765ac 3 & GND or 4 & GND	b	15	150	100	0.56	0.58/3.55/14.0	1.45/7.16/14.3	66/263/544
MTL7765ac 3 & 4	d	15	300	50	1.12	0.58/3.55/14.0	0.32/0.95/2.54	31.6/126.4/252.8
MTL7766ac 3 & GND or 4 & GND	b	12	80	150	0.24	1.41/9/36	5.6/22.4/44.9	149/556/1174
MTL7766ac 3 & 4	d	24	160	75	0.48	0.125/0.93/3.35	1.41/4.4/11	58/234/481
MTL7766Pac 3 & GND or 4 & GND	b	12	157	76.4	0.471	1.41/9/36	1.47/4.4/11	78/313/644
MTL7766Pac 3 & 4	d	24	314	38.2	0.942	0.125/0.93/3.35	0.34/1.02/2.71	29/87/231
MTL7767+ 3 & GND or 4 & GND	b	15	150	100	0.56	0.58/3.55/14	1.45/7.22/14	66/263/544
MTL7767+ 3 & 4	d	15	300	50	1.125	0.58/3.55/14	0.32/0.95/2.54	22/108/216

* Not permitted for Groups A/B

Is	Date	Drn	Modification
1	9.04	CMB	
2	10.14	SB	Some "-" versions deleted.
3	1.19	CMB	See sheets 3, 4, 5, 7 & 8.
4	12.19	CMB	See sheet 5.


MEASUREMENT TECHNOLOGY LTD
 Luton, England
 Copyright Reserved - Written Permission
 to Copy Should be Obtained

Dimensions in mm										Do Not Scale		Third Angle Projection	
										Scale		N/A	
Certifying Authority: UL										Sheet		g of 10	
Title										Dr. No.		SCI-991	
MTL7700 SERIES BARRIER CONTROL DRAWING													
BARRIER Model Terminals	C O N F I G	Voc or Uo (V)	Isc or Io (mA)	Ro (ohms)	Po (W)	Ca or Co (μF) AB/CE/DFG	La or Lo (mH) AB/CE/DFG	La/Ra or Lo/Ro (μH/Ω) AB/CE/DFG					
MTL7778ac 3 & GND or 4 & GND	b	28	47	600	0.33	0.083/0.65/2.15	16/62/130	107/398/789					
MTL7778ac 3 & 4	d	28.9	95.1	300	0.687	0.075 /0.609/1.98	3.9/15.7/31.4	51.7/206/413					
MTL7779+ 3 & GND or 4 & GND	b	28	93	300	0.65	0.083/0.65/2.15	4.2/12.6/33.6	56/210/444					
MTL7779+ 3 & 4	d	28.5	188	150	1.3	* /0.627/2.05	* /4.01/7.9	* /106/212					
MTL7787+/- 3 & GND	c1	28	93	300	0.65	0.083/0.65/2.15	4.2/12.6/33.6	56/210/444					
MTL7787+/- 4 & GND	c2	28	0	diode	—	0.083/0.65/2.15	—	—					
MTL7787+/- 3 & 4	d	29.6	94	300	0.698	0.070/0.578/1.88	3.99/12.6/31.9	50/203/407					
MTL7787P+ 3 & GND	c1	28	119	234.6	0.835	0.083/0.65/2.15	2.51/7.53/20	44/168/354					
MTL7787P+ 4 & GND	c2	28	0	diode	—	0.083/0.65/2.15	—	—					
MTL7787P+ 3 & 4	d	30.7	122	252.27	0.934	0.0616/0.524/1.7	2.40/7.53/19.2	38.1/152/304.5					

Is	Date	Drn	Modification
1	9.04	CMB	
2	10.14	SB	Some " " versions and note deleted.
3	1.19	CMB	See sheets 3, 4, 5, 7 & 8.
4	12.19	CMB	See sheet 5.

MEASUREMENT TECHNOLOGY LTD Luton, England		Date	Drn	Modification					
Copyright Reserved - Written Permission to Copy Should be Obtained		Is	Date	Drn					
Dimensions in mm Do Not Scale Third Angle Projection									
BARRIER Model	Terminals	C O N F I G	Voc or Uo (V)	Isc or Io (mA)	Ro (ohms)	Po (W)	Ca or Co (μ F) AB/CE/DFG	La or Lo (mH) AB/CE/DFG	La/Ra or Lo/Ro (μ H/ Ω) AB/CE/DFG
MTL7788+	MTL7788R+	c1	28	93	300	0.65	0.083/0.65/2.15	4.2/12.6/33.6	56/210/444
	3 & GND								
MTL7788+	MTL7788R+	c2	10	200	50	0.5	3.0/20/100	0.91/2.72/7.25	74/310/627
	4 & GND								
MTL7788+	MTL7788R+	d	28	294	42.85	0.92	0.083/0.65/2.15	0.33/0.99/2.64	25/124/253
	3 & 4								
MTL7789+	MTL7789R+	h	28	46.5	600	0.33	0.083/0.65/2.15	16/63/133	106/393/781
	3 & GND or 7 & GND								
MTL7789+	MTL7789R+	h	28	0	diode	0	0.083/0.65/2.15	—	—
	4 & GND or 8 & GND								
MTL7789+	MTL7789R+	j	29.6	96	300	0.72	0.07/0.587/1.88	3.8/15.4/30.8	50.18/200.7/401
	3 & 4 & 7 & 8								
MTL7789+	MTL7789R+	k	29.6	48	600	0.36	0.07/0.587/1.88	15.4/61.7/123.5	100.37/393/781
	3 & 4 or 7 & 8								
MTL7796+/-	MTL7796R+/-	c1	26	87	300	0.56	0.1/0.77/2.6	4.91/20/40	64/239/505
	3 & GND								
MTL7796+/-	MTL7796R+/-	c2	20	51	390	0.26	0.22/1.41/5.5	13/51/108	136/501/1014
	4 & GND								
MTL7796+/-	MTL7796R+/-	d	26.6	138	169.56	0.81	0.094/0.73/2.42	1.47/5.89/11.78	34.4/137/275.3
	3 & 4								
Certifying Authority: UL						Scale N/A			
Title MTL7700 SERIES BARRIER CONTROL DRAWING						Sheet 10 of 10			
						Drg. No. SCI-991			