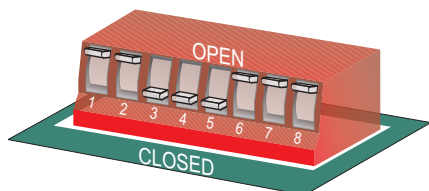
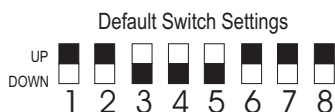


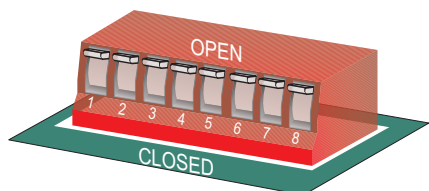
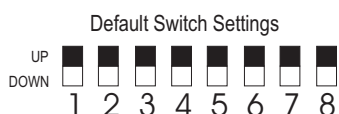
4016 L2 CSU Installation Worksheet Rev U



A - CONFIG
S1

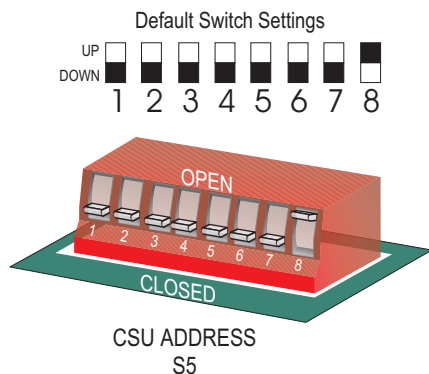
SW-1 Configuration A—from Telecom Supervisor or Telco			
<input checked="" type="checkbox"/>	Up	Reserved	1
<input type="checkbox"/>	Up	Deactivate far-end CSU alarm polling	2
<input type="checkbox"/>	Dn	Activate far-end CSU alarm polling	
<input type="checkbox"/>	Up	Pre-1990 FCC Part 68 density only	3
<input type="checkbox"/>	Dn	62411 density enforcement	
<input type="checkbox"/>	Up	Regenerate span CRC-6 DTE to span *	4
<input type="checkbox"/>	Dn	Pass DTE CRC-6 to span	
<input type="checkbox"/>	Up	Regenerate span CRC-6 to DTE †	5
<input type="checkbox"/>	Dn	Pass span CRC-6 to DTE	
<input type="checkbox"/>	Up	CSU transmit B8ZS to DTE	6
<input type="checkbox"/>	Dn	CSU transmit AMI to DTE	
<input type="checkbox"/>	Up	CSU transmit B8ZS to span	7
<input type="checkbox"/>	Dn	CSU transmit AMI to span	
<input type="checkbox"/>	Up	DTE is ESF framed	8
<input type="checkbox"/>	Dn	DTE is D4 framed	

* Required for D4 DTE and ESF span.
† Required for ESF DTE and D4 span.



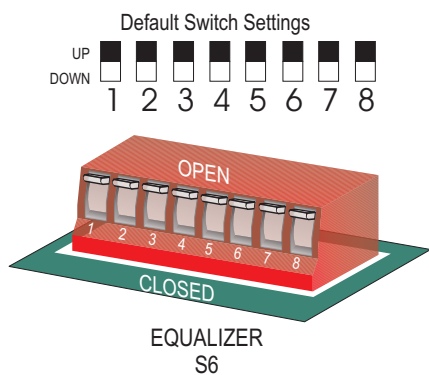
ES THRESH
S2

SW-2 Errored Second Threshold—from Telecom Supervisor or Telco			
<input checked="" type="checkbox"/>	Up	Reserved	1
<input type="checkbox"/>	Up	Reserved	2
<input type="checkbox"/>	Up	Performance reports enabled	3
<input type="checkbox"/>	Dn	No performance report messages per ANSI T1.403	
<input type="checkbox"/>	Up	Reserved	4
<input type="checkbox"/>	Up	Reserved	5
<input type="checkbox"/>	Up	Reserved	7
<input type="checkbox"/>	Up	Reserved	8

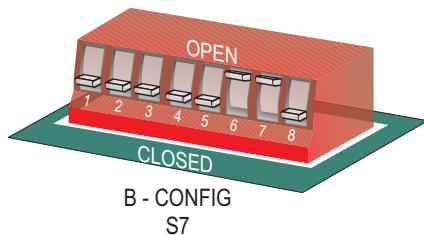
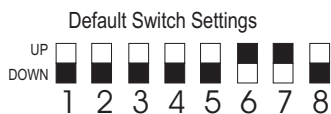


SW-5 CSU Unit Number—from Telecom Supervisor								
Setting	1 (128)	2 (64)	3 (32)	4 (16)	5 (8)	6 (4)	7 (2)	8 (1)
CSU 1	Dn	Dn	Dn	Dn	Dn	Dn	Dn	Up
CSU 2	Dn	Dn	Dn	Dn	Dn	Dn	Up	Dn
CSU 3	Dn	Dn	Dn	Dn	Dn	Dn	Up	Up
CSU 4	Dn	Dn	Dn	Up	Dn	Dn	Dn	Dn
CSU 5	Dn	Dn	Dn	Dn	Dn	Up	Dn	Up
CSU 6	Dn	Dn	Dn	Dn	Dn	Up	Up	Dn
CSU 7	Dn	Dn	Dn	Dn	Dn	Up	Up	Up
CSU 8	Dn	Dn	Dn	Dn	Up	Dn	Dn	Dn
CSU 9	Dn	Dn	Dn	Dn	Up	Dn	Dn	Up
CSU 10	Up	Dn	Dn	Up	Up	Dn	Up	Dn
146	Up	Dn	Dn	Up	Dn	Dn	Up	Dn
255	Up	Up	Up	Up	Up	Up	Up	Up
Other								

For each MLS shelf, ensure each 4016-R module has a unique address between 1–10, or communication between the 4016-R and the SIM can fail. Verilink recommends setting the 4016-R address to match the shelf CSU slot number.



SW-6 Equalizer—from Telecom Supervisor					
<input checked="" type="checkbox"/>					
DTE to CSU Switch	0-133 feet	133-266 feet	266-399 feet	399-533 feet	533-655 feet
1	Up	Dn	Up	Dn	Up
2	Up	Up	Dn	Dn	Up
3	Up	Up	Up	Up	Dn
4	Reserved Up				
5	Reserved Up				
6	Reserved Up				
7	Reserved Up				
8	Reserved Up				



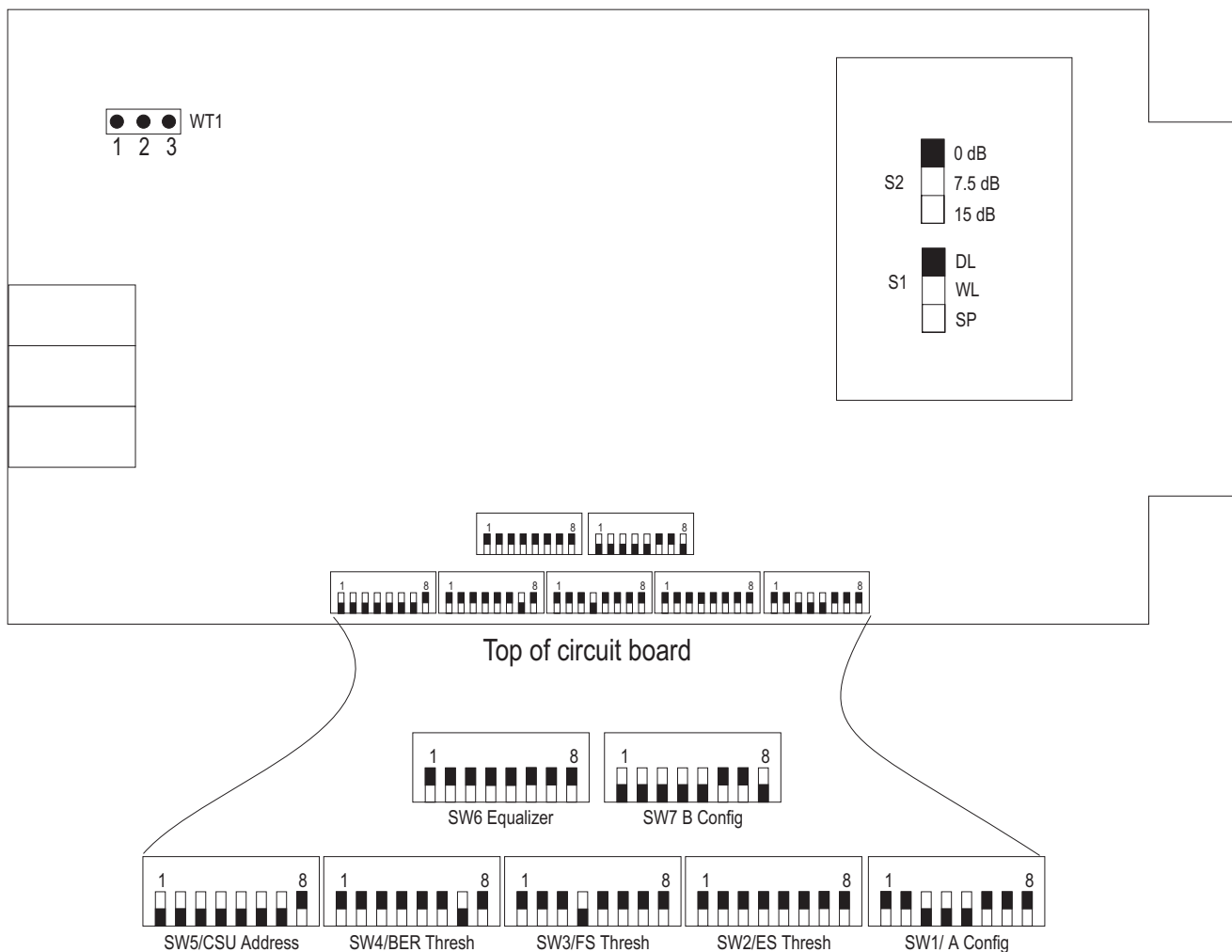
SW-7 Configuration B—from Telecom Supervisor or Telco			
✓	Up	AIS to span or DTE upon loopbacks	1
	Dn	Bridge looped data to span/DTE	
	Up	CSU receives AMI from DTE	2
	Dn	CSU receives B8ZS from DTE	
	Up	CSU receives AMI from span	3
	Dn	CSU receives B8ZS from span	
	Up	Span is D4 framed	4
	Dn	Span is ESF framed	
	Up	Power-up default to EEPROM	5
	Dn	Power-up default to switches	
	Up	Reserved	6
	Up	Reserved	
	Up	AIS keep-alive	8
	Dn	Loopback keep-alive (If power-up with no DTE, auto-loop to span)	

S1, S2, WT1 — Power, Transmit, Transparency

Top Cover Sliders (on repeater board)		
S1 PWR (Power)	SP (Span)	CSU operates as if in wet loop mode— do not use
	WL (Wet loop)	CSU applies sealing current
	DL (Dry loop)	CSU loops back any span power (safe for all applications)
S2 XMT (Transmit)	15 dB	1-1000 ft twisted copper to termination (distance from CSU to first repeater)
	7.5 dB	1000-2000 ft twisted copper
	0 dB	2000-3000 ft twisted copper, local DS3 MUX, radio or other DSX equipment
Strap WT1 Transparency (under secondary board)		
WT1	1 to 2	Non-transparent mode
	2 to 3	Transparent mode— not permitted on public networks

1. Factory defaults are settings commonly used in the field.
2. The CSU always requires local power.
3. For additional installation information, refer to manuals P/N: 880-500969-001.
4. FCC Reg: GIC472-16544-DE-N / Jack: RJ-48 / FIC: ESF=04DU9-C, D4=04DU9-B.

Switch and Jumper Locations



Verilink Corporation
145 Baytech Drive
San Jose CA 95134
1.800.VERILINK · www.verilink.com
FAX-On-Demand: 1.800.957.LINK
Faxback-1017 10/98



©1998 Verilink Corporation. Verilink and the Verilink logo are registered trademarks of Verilink Corporation. Access System 2000, Access Manager 2000, Test System 2000, and Advanced Programmable Architecture are trademarks of Verilink Corporation.

This document does not create any express or implied warranty about Verilink or about its products or services. Verilink's sole warranty is contained in its product warranty. The end-user documentation shipped with Verilink's products constitutes the sole specifications referred to in the product warranty. Verilink has made reasonable efforts to verify that the information contained herein is accurate, but Verilink assumes no responsibility for its use or for any infringement of patents or other rights of third parties that may result. The customer is solely responsible for verifying the suitability of Verilink's products for its use. Specifications are subject to change without notice.