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the
Test Equipment Experts

Purchasing Specification
TS2 VIRTUAL CABINET
MODEL TVC 3500

Revision 1.0
Revision Date: 04/07/09

1. The Model TVC 3500 Virtual Cabinet Includes:
 - 1.1. TS2 Virtual Cabinet Control Software for Windows XP or newer.
 - 1.2. TS2 Virtual Cabinet Communication Interface Hardware
 - 1.3. TS2 Virtual Cabinet Hardware to TS2 Controller Cable (15-pin SDLC)
 - 1.4. TS2 Virtual Cabinet Hardware to PC Cable (USB)
 - 1.5. Setup and Operating Manual
2. Monitors and provides output indicators for all vehicle signal, phase on, phase next, phase check, preempt, special function, offset, and timing plan outputs.
3. Allows manual input and provides on-screen monitoring for vehicle detector calls (1 thru 64), pedestrian calls, phase omit, ped omit, hold, preempt, stop time, Max1/Max2, force off, red rest, NEMA TS2 Virtual Cabinet manual control, interval advance, flash, dim enable, external start, TBC on, timing plan select, and local flash. MMU Program Card setups can be saved as predefined configurations.
4. Hardware housed in a 1.0" x 2.5" x 3.5" inch rugged plastic enclosure. Interface cables included in purchase price. Controller power cabling to be supplied by user.
5. Hardware and software covered by a 1 year limited warranty on parts, labor, and upgrades.
6. Software and Firmware updates for the unit shall be made available to download at no charge from the Internet (www.atsi-tester.com).



TS2 Virtual Cabinet Interface

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
 TF BIUs: #1 #2 #3 #4
DR BIUs: #1 #2 #3 #4

TF BIU Outputs

	1	2	3	4	5	6	7	8		A	B	C	D
Phase On	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Timing Plan	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Phase Next	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Ring 1 Status	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Phase Check	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Ring 2 Status	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Preempt	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>					
Spec. Func.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Auto Flash	<input type="radio"/>			
Offset	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Free/Coord.	<input type="radio"/>			
TBC Aux.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>					

Legend
 On Off
 BIU Not Present

MMU

1	<input type="radio"/>	Conflict	<input type="radio"/>
2	<input type="radio"/>	Red Fail	<input type="radio"/>
3	<input type="radio"/>	Dual Ind.	<input type="radio"/>
4	<input type="radio"/>	Port 1 Fail	<input type="radio"/>
5	<input type="radio"/>		
6	<input type="radio"/>		
7	<input type="radio"/>		
8	<input type="radio"/>		
9	<input type="radio"/>	RESET	<input type="radio"/>
10	<input type="radio"/>		
11	<input type="radio"/>		
12	<input type="radio"/>		
13	<input type="radio"/>		
14	<input type="radio"/>		
15	<input type="radio"/>		
16	<input type="radio"/>		

ATSI

TF BIU Inputs

	1	2	3	4	5	6	7	8		1	2						
Phase Omit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Stop Time	<input type="checkbox"/>	<input type="checkbox"/>	Manual Ctrl.	<input type="checkbox"/>				
Ped Omit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Max. II	<input type="checkbox"/>	<input type="checkbox"/>	Interval Adv.	<input type="checkbox"/>				
Hold	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Force Off	<input type="checkbox"/>	<input type="checkbox"/>	Auto Flash	<input type="checkbox"/>				
Ped Call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inhibit Max.	<input type="checkbox"/>	<input type="checkbox"/>	Dim Enable	<input type="checkbox"/>				
Preempt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Omit Red	<input type="checkbox"/>	<input type="checkbox"/>	External Min	<input type="checkbox"/>				
Offset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Red Rest	<input type="checkbox"/>	<input type="checkbox"/>	External Start	<input type="checkbox"/>				
Alarm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ped Recycle	<input type="checkbox"/>	<input type="checkbox"/>	TBC On Line	<input type="checkbox"/>				
Non Actuated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				Walk Res. Mod.	<input type="checkbox"/>				
									A	B	C	D	Local Flash	<input type="checkbox"/>			
Address	0	1	2	3	4	Timing Plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Alt. Seq.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MMU Flash	<input type="checkbox"/>
						Test Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						Free/Coord.	<input type="checkbox"/>

DR BIU Loop Call Inputs

<input type="checkbox"/>	1	<input type="checkbox"/>	17	<input type="checkbox"/>	33	<input type="checkbox"/>	49
<input type="checkbox"/>	2	<input type="checkbox"/>	18	<input type="checkbox"/>	34	<input type="checkbox"/>	50
<input type="checkbox"/>	3	<input type="checkbox"/>	19	<input type="checkbox"/>	35	<input type="checkbox"/>	51
<input type="checkbox"/>	4	<input type="checkbox"/>	20	<input type="checkbox"/>	36	<input type="checkbox"/>	52
<input type="checkbox"/>	5	<input type="checkbox"/>	21	<input type="checkbox"/>	37	<input type="checkbox"/>	53
<input type="checkbox"/>	6	<input type="checkbox"/>	22	<input type="checkbox"/>	38	<input type="checkbox"/>	54
<input type="checkbox"/>	7	<input type="checkbox"/>	23	<input type="checkbox"/>	39	<input type="checkbox"/>	55
<input type="checkbox"/>	8	<input type="checkbox"/>	24	<input type="checkbox"/>	40	<input type="checkbox"/>	56
<input type="checkbox"/>	9	<input type="checkbox"/>	25	<input type="checkbox"/>	41	<input type="checkbox"/>	57
<input type="checkbox"/>	10	<input type="checkbox"/>	26	<input type="checkbox"/>	42	<input type="checkbox"/>	58
<input type="checkbox"/>	11	<input type="checkbox"/>	27	<input type="checkbox"/>	43	<input type="checkbox"/>	59
<input type="checkbox"/>	12	<input type="checkbox"/>	28	<input type="checkbox"/>	44	<input type="checkbox"/>	60
<input type="checkbox"/>	13	<input type="checkbox"/>	29	<input type="checkbox"/>	45	<input type="checkbox"/>	61
<input type="checkbox"/>	14	<input type="checkbox"/>	30	<input type="checkbox"/>	46	<input type="checkbox"/>	62
<input type="checkbox"/>	15	<input type="checkbox"/>	31	<input type="checkbox"/>	47	<input type="checkbox"/>	63
<input type="checkbox"/>	16	<input type="checkbox"/>	32	<input type="checkbox"/>	48	<input type="checkbox"/>	64

MMU Setup

16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	Minimum Yellow Change:
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Ch 1 disable
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Ch 2 disable
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Ch 3 disable
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Ch 4 disable
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Ch 5 disable
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Ch 6 disable
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Ch 7 disable
8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Ch 8 disable
9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Ch 9 disable
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Ch 10 disable
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Ch 11 disable
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Ch 12 disable
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Ch 13 disable
14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Ch 14 disable
15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Ch 15 disable
															<input type="checkbox"/> Ch 16 disable

24V Latch
 CVM/Fault Monitor Latch
 Initial Flash Time:

Predefined configurations: Save Delete