

7455 HD/SD/ASI/310 Protection Switch

Command Set Protocol

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Module Software Version: 2.2.11



For each module there are two types of Controls, Status and Modcontrols. The Status is generic to each module and gives the status of the modules CPU, Input Signal and Reference Status, these are read-back controls only. Modcontrols are specific controls that relate directly to the individual modules and can be read or read/write.

🔛 MIB Tree MIB Tree 🖻 🥭 AvenueMIBv105.iso.org.dod.internet.pri 🖻 🧀 AvenueMIBv105.iso.org.dod.internet.priv 🖻 🗁 frame3RU 🖻 🖓 🧁 frame3RU 🗄 🧀 🍃 frameSelect 🗄 🧁 frameSelect 🗄 🙆 slotSelect 🗄 🗀 slotSelect 🗄 🗁 🗁 slotSelect1 🗄 🗁 🥭 slotSelect1 🕂 🗀 🚺 status 1 🖻 🗁 🗁 status 1 🖮 🧁 modcontrol1 🖻 🧀 🍋 controls1 😑 signal 1 reference1 🖻 🧀 bontrol1-0 🗄 🧀 hodcontrol1 ------ value1-0 🗄 🙆 controls1 🗄 🙆 control1-1

Status read-backs

Modcontrols

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Status Read-Backs

StatusX - X relates to the slot number of the module. There are 3 status read-backs available for each module.

Name:	ModuleX - Indicates status of the moduleCPU. $X = $ slot the module is in.	
Type:	Read Only	
Min/Max:	1/3	
Reports:	1 - normal	
	2 - kernal	
	3- not installed	
Name:	SignalX - Signal input or output Status. X = slot the module is in.	
Type:	Read Only	
Min/Max:	1/3	
Reports:	1 - normal	
	2 - faulted	
	3 - unknown	
Name:	ReferenceX - Status of module reference. $X = $ slot the module is in.	Min/
Max	1/3	
Reports:	1 - normal *7455,5455, 4455 & 4450 will always readback 1, normal.	
	2 - faulted	
	3 - unknown	

ModControls

CountX This is a read only function that reads back the total number of controls the module has. X indicates slot of card being read.

Control 0

Name:	Pri Status
Menu:	Status
Type:	5 "LED" Array - Read Only
Min/Max:	0/1023 Decimal read-back
Reports:	This indicator provides status information for five parameters. Each
	parameter is associated with a two bit field. The field association is:

Not Tested - LED Gray Good - LED Green Bad - LED Red

Decimal Values

TRS 0 - Not Tested 1 - Good 3 - Bad

ASI 0 - Not Tested

8 - Good 12 - Bad

Audio 0 - Not Test 32 - Good 48 - Bad

Black 0 - Not Tested 128 - Good 192 - Bad

Freeze 0 - Not tested 512 - Good 768 - Bad

Example if TRS, ASI and Freeze off and Audio Good and Black good you would read back a decimal 160.

Name:Sec StatusMenu:StatusType:5 "LED" Array - Read OnlyMin/Max:0/1023 *Decimal read-backReports:This indicator provides status information for five parameters. Each
parameter is associated with a two bit field. The field association is:

Not Tested - LED Gray Good - LED Green Bad - LED Red

Decimal Values

TRS

0 - Not Tested 1 - Good 3 - Bad

ASI

0 - Not Tested 8 - Good 12 - Bad

Audio 0 - Not Test 32 - Good 48 - Bad

Black 0 - Not Tested 128 - Good 192 - Bad

Freeze 0 - Not tested 512 - Good 768 - Bad

Example if TRS and ASI off and Audio and Black good and Freeze failed you would read back a decimal 928.

Name:	Auto
Menu:	Status
Type:	Toggle Push Button Read/Write
Min/Max:	0/1
Reports:	0- Module is not in automatic switch mode.
	1 - Module is in automatic switch mode.
Change:	Write 0 to this control to toggle the status.
Description:	When in auto the protection switch will change to the secondary when
	a failure on the primary is detected.

Name:	Auto Reset	
Menu:	Status	
Type:	Scroll List Read/Write	
Min/Max:	0/1	
Reports:	0 - "Off" 1 "Or"	
Control:	Write 0 to this control to set Auto Reset to "Off". Write 1 to this control to set Auto Reset to "On".	
Description:	When Auto Reset is on the protection switch will change back to the primary once it is error free. Reset time is set with control 4.	
Control 4		
Name:	Reset Time	
Menu:	Status	
Type: Min/Max:	Adjustable Numerical Field Read/Write 0/600	
Reports: Control:	Value is length of reset time in tenths of seconds. Write any value between 0 (dec) and 600 (dec) to set the length of the reset delay. A value of 150 corresponds to a delay of 15.0 seconds.	
Control 5		
Name:	Pri	
Menu:	Status	
Type:	Ganged Push Button Read/Write This control is ganged with Control 6	
Min/Max:	0/1	
Reports:	0 When the Primary Input is selected. 1 When the Secondary Input is selected.	
Control:	Write 0 to select the Primary Input. NOTE: This control can only force the selection of the Primary input. It cannot cause the Secondary input to be selected.	

Name:	Sec
Menu:	Status
Type:	Ganged Push Button Read/Write
	This control is ganged with Control 5
Min/Max:	0/1
Reports:	1 When the Secondary Input is selected.
	0 When the Primary Input is selected.
Control:	Write 0 to select the Secondary Input.
	NOTE: This control can only force the selection of the Secondary
	input. It cannot cause the Primary input to be selected.

Control 7

Name:	Pri Status
Menu:	Status - Seen on Avenue PC only.
Type:	Indicator List Read Only
Min/Max:	0/4
Reports:	0 - "Signal Good"
	1 - "Signal Fault" - exact fault is not specified
	2 - "GPI Fault"
	3 - "All Fault"
	4 - "GPI Forced Good"

Control 8

Name:	Sec Status
Menu:	Status -Seen on Avenue PC only.
Type:	Indicator List Read Only
Min/Max:	0/4
Reports:	0 - "Signal Good"
	1 - "Signal Fault" - exact fault is not specified
	2 - "GPI Fault"
	3 - "All Fault"
	4 - "GPI Forced Good"

Name:	Switch Pos
Menu:	Status (Seen on Avenue PC Only)
Type:	Indicator List Read Only
Min/Max:	0/1
Reports:	0 - "Primary"
	1 - "Secondary"

Primary Input Name: Menu: Inputs Type: Indicator List Read Only Min/Max: 0/13 0 - "720P 50" Reports: 1 - "720P 59.94" 2 - "1080i 50" 3 - "1080i 59.94" 4 - "1080P 50" 5 - "1080P 23.98" 6 - "1080SF 25" 7 - "1080SF 23.98" 8 - "525 59.994" 9 - "625 50" 10 - "DVD-ASI" 11 - "SMPTE 310M" 12 - " NO Input" 13 - "Unknown"

Control 11

Secondary Input Name: Menu: Inputs Indicator List Read Only Type: Min/Max: 0/130 - "720P 50" Reports: 1 - "720P 59.94" 2 - "1080i 50" 3 - "1080i 59.94" 4 - "1080P 50" 5 - "1080P 23.98" 6 - "1080SF 25" 7 - "1080SF 23.98" 8 - "525 59.994" 9 - "625 50" 10 - "DVD-ASI" 11 - "SMPTE 310M" 12 - "NO Input" 13 - "Unknown"

Name:	TRS Test
Menu:	Config
Type:	Scroll List Read/Write
Min/Max:	0/2
Reports:	0 - "Off"
-	1 - "Lenient"
	2 - "Strict"
Control:	Write 0, 1, or 2 to configure the TRS Test capability.

Control 13

Name:	ASI Test
Menu:	Config
Type:	Scroll List Read/Write
Min/Max:	0/3
Reports:	0 - "Off"
	1 - "Simple"
	2 - "Pgm Specific"
	3 - "PID Specific"
Control:	Write 0, 1, 2 or 3 to configure the ASI Test capability.

Control 14

Name:	Audio Detect
Menu:	Config
Type:	Scroll List Read/Write
Min/Max:	0/1
Reports:	0 - "Off"
	1 - "On"
Control:	Write 0, or 1 to turn Audio Detect off/on.

Control 15

Name:	Black Detect
Menu:	Config
Type:	Scroll List Read/Write
Min/Max:	0/1
Reports:	0 - "Off"
	1 - "On"
Control:	Write 0, or 1 to turn Black Detect off/on.

Name:	Freeze Test
Menu:	Config
Type:	Scroll List Read/Write
Min/Max:	0/1
Reports:	0 - "Off"
	1 - "On"
Control:	Write 0, or 1 to turn Freeze Detect off/on.

Name:	Sec Test Enable	
Menu:	Config	
Type:	Scroll List Read/Write	
Min/Max:	0/1	
Reports:	0 - "Off"	
	1 - "On"	
Control:	Write 0, or 1 to turn Sec Test Enable off/on.	

Control 18

Name:	Window
Menu:	Blk Detect
Type:	Scroll List Read/Write
Min/Max:	0/1
Reports:	0 - "Small"
	1 - "Big"
Control:	Write 0, or 1 to choose size of window (within the raster) for black
	detection.

Control 19

Name:	Detect Level
Menu:	Blk Detect
Type:	Adjustable Numerical Field Read/Write
Min/Max:	0/100
Reports:	Value is video level in IRE (or percent of full White) against which
	the black detector makes its comparison.
Control:	Write actual value between 0 (dec) and 100 (dec) to set black detection
	threshold. Shown in IRE in Avenue PC.

Name:	Blk Time
Menu:	Blk Detect
Type:	Adjustable Numerical Field Read/Write
Min/Max:	1/3000
Reports:	Value is length of time in tenths of seconds that the signal must
	fail the black detection criteria in order to be considered a fault
	and cause the switch to throw.
Control:	Write any value between 0 (dec) and 3000 (dec) to set black time
	value. A setting of 121 corresponds to 12.1 seconds.

Name:	Black Frac
Menu:	Blk Detect
Type:	Adjustable Numerical Field Read/Write
Min/Max:	0/1000
Reports:	Value is portion of raster, in tenths of a percent. When value of
	Black Frac equals or is greater than Pri Valid, control 22 & 23 then the
	signal is considered black.
Control:	Write any value between 0 (dec) and 1000 (dec) to set Black Fraction
	value. 1000 = 100%.

Control 22

Name:	Pri Valid
Menu:	Blk Detect
Type:	Numerical Display Field Read Only
Min/Max:	0/1000
Reports:	Value is percent of raster, in tenths of a percent, that currently fall
	above, valid, the Detect Level. 1000 = 100%

Control 23

Name:	Sec Valid
Menu:	Blk Detect
Type:	Numerical Display Field Read Only
Min/Max:	0/1000
Reports:	Value is percent of raster, in tenths of a percent, that currently fall
	above, valid, the Detect Level.

Name:	Audio Group	
Menu:	Aud Detect	
Type:	Scroll List Read/Write	
Min/Max:	0/3	
Reports:	0 - "Group 1"	
	1 - "Group 2"	
	2 - "Group 3"	
	3 - "Group 4"	
	Reports the embedded audio group that the Audio Detector	
	is currently targeting.	
Control:	Write 0, 1, 2, or 3 to this control to select Group 1, 2, 3, or 4	

Control 25	
Name:	Audio Thrsh
Menu:	Aud Detect
Type:	Scroll List Read/Write
Min/Max:	0/8
Reports:	0 - "0 VU"
	1 - "-5 VU"
	2 - "-10 VU"
	3 - "-15 VU"
	4 - "-20 VU"
	5 - "-25 VU"
	6 - "-30 VU"
	7 - "-35 VU"
	8 - "-40 VU"
~ 1	

Control:

Write 0 to 8 to this control to select threshold level.

Control 26

Pri Status Aud Detect Name: Menu: 5 "LED" Array - Read Only 0/1023 * Decimal read-back. This indicator provides status information for each audio Group. Each audio group is associated with a two bit field. The field association is: Type: Min/Max: Reports:

Not Tested - LED Gray Good - LED Green Bad - LED Red

Decimal Values

Group 1 0 - Not Tested 1 - Bad 2 - Good

Group 2 0 - Not Tested 4 - Bad 8 - Good

Group 3 0 - Not Test 16 - Bad 32 - Good

Group 4 0 - Not Tested 64 - Bad 128 - Good

OK 0 - Not tested 256 - Bad 512 - Good

Example if group 1 and group 2 are tested and group 1 was good and group 2 was bad you would read back 6. If Group 1 and 2 were good you would read back a 10.

Name:	Pri Aud Status
Menu:	Audio Detect (Avenue PC Only)
Type:	Indicator List Read Only
Min/Max:	0/1
Reports:	0 - "Failed"
	1 - "Good"
	NOTE: This read only control is provided as an alternative to
	determining Audio status from Control #26.

Control 28

Name:	Sec Status
Menu:	Aud Detect
Type:	5 "LED" Array - Read Only
Min/Max:	0/1023 * Decimal read-back
Reports:	This indicator provides status information for each audio Group. Each audio group is associated with a two bit field. The field association is:

Not Tested - LED Gray Good - LED Green Bad - LED Red

Decimal Values

Group 1 0 - Not Tested 1 - Bad 2 - Good

Group 2 0 - Not Tested 4 - Bad 8 - Good

Group 3 0 - Not Test 16 - Bad 32 - Good

Group 4 0 - Not Tested 64 - Bad 128 - Good

OK 0 - Not tested 256 - Bad 512 - Good

Example if group 1 and group 2 are tested and group 1 was good and group 2 was bad you would read back 6. If Group 1 and 2 were good you would read back a 10.

Name:	Sec Aud Status
Menu:	Audio Detect (Avenue PC Only)
Type:	Indicator List Read Only
Min/Max:	0/1
Reports:	0 - "Failed"
	1 - "Good"
	NOTE: This read only control is provided as an alternative to
	determining Audio status from Control #28.

Control 30

Name:	Audio Time
Menu:	Audio Detect
Type:	Adjustable Numerical Field Read/Write
Min/Max:	5/3000
Reports:	Value is length of time in tenths of seconds that the signal must
	fail the audio detection criteria in order to be considered a fault
	and cause the switch to throw.
Control:	Write any value between 5 (dec) and 3000 (dec) to set audio time value. A setting of 120 corresponds to 12 seconds.

Control 31

Name:	Ch1
Menu:	Audio Detect
Type:	Toggle Push Button Read/Write
Min/Max:	0/1
Reports:	0 - This audio channel is NOT being tested.
	1 - This audio channel IS being tested.
Change:	Write 0 to this control to toggle the status between
	on and off.

Name:	Ch2
Menu:	Audio Detect
Type:	Toggle Push Button Read/Write
Min/Max:	0/1
Reports:	0 - This audio channel is NOT being tested.
	1 - This audio channel IS being tested.
Change:	Write 0 to this control to toggle the status between
	on and off.

Name:	Ch3
Menu:	Audio Detect
Type:	Toggle Push Button Read/Write
Min/Max:	0/1
Reports:	0 - This audio channel is NOT being tested.
	1 - This audio channel IS being tested.
Change:	Write 0 to this control to toggle the status between
	on and off.

Control 34

Name:	Ch4
Menu:	Audio Detect
Type:	Toggle Push Button Read/Write
Min/Max:	0/1
Reports:	0 - This audio channel is NOT being tested.
	1 - This audio channel IS being tested.
Change:	Write 0 to this control to toggle the status between
	on and off.

Control 35

Name:	TRS ErrSec
Menu:	Pri Errors
Type:	Resettable Counter Read/Write
Min/Max:	0/10,000(dec)
Reports:	Error-seconds count for Primary TRS error detector. Each count
	marks a one second interval which contained at least one TRS Error.
Reset:	Write 0 to this control to reset the counter to 0.

Name:	ASI ErrSec
Menu:	Pri Errors
Type:	Resettable Counter Read/Write
Min/Max:	0/10,000(dec)
Reports:	Error-seconds count for Primary ASI error detector. Each count
	marks a one second interval which contained at least one ASI Error.
Reset:	Write 0 to this control to reset the counter to 0.

Name:	ASI Vid ErrSec
Menu:	Pri Errors
Type:	Resettable Counter Read/Write
Min/Max:	0/10,000(dec)
Reports:	Error-seconds count for Primary ASI Video error detector. Each count
	marks a one second interval which contained a ASI Video Error.
Reset:	Write 0 to this control to reset the counter to 0.

Control 38

Name:	ASI Aud ErrSec
Menu:	Pri Errors
Type:	Resettable Counter Read/Write
Min/Max:	0/10,000(dec)
Reports:	Error-seconds count for Primary ASI Audio error detector. Each count
	marks a one second interval which contained at least one ASI Audio
	Error.
Reset:	Write 0x0000 to this control to reset the counter to 0.

Control 39

Name:	BLK ErrSec
Menu:	Pri Errors
Type:	Resettable Counter Read Only
Min/Max:	0/10,000(dec)
Reports:	Error-seconds count for Primary Black detector. Each count marks a
	one second interval in which the black detector determined that
	image content was black.
Reset:	Write 0 to this control to reset the counter to 0.
Reset:	one second interval in which the black detector determined that image content was black. Write 0 to this control to reset the counter to 0.

Name:	AUD ErrSec
Menu:	Pri Errors
Type:	Resettable Counter Read Only
Min/Max:	0/10,000(dec)
Reports:	Error-seconds count for Primary Audio detector. Each count marks a
	one second interval in which the audio detector determined that
	the audio content (all enabled channels) was silent.
Reset:	Write 0 to this control to reset the counter to 0.

Name:	FRZ ErrSec
Menu:	Pri Errors
Type:	Resettable Counter Read Only
Min/Max:	0/10,000(dec)
Reports:	Error-seconds count for Primary Freeze detector. Each count marks
	a one second interval in which the freeze detector determined the video
	content was frozen.
Reset:	Write 0x0000 to this control to reset the counter to 0.

Control 42

Name:	TRS ErrSec
Menu:	Sec Errors
Type:	Resettable Counter Read/Write
Min/Max:	0/10,000(dec)
Reports:	Error-seconds count for Secondary TRS error detector. Each count
	marks a one second interval which contained at least one TRS Error.
Reset:	Write 0 to this control to reset the counter to 0.

Control 43

Name:	ASI ErrSec
Menu:	Sec Errors
Type:	Resettable Counter Read/Write
Min/Max:	0/10,000(dec)
Reports:	Error-seconds count for Secondary ASI error detector. Each count
	marks a one second interval which contained at least one ASI Error.
Reset:	Write 0 to this control to reset the counter to 0.

Name:	ASI Vid ErrSec
Menu:	Sec Errors
Type:	Resettable Counter Read/Write
Min/Max:	0/10,000(dec)
Reports:	Error-seconds count for Secondary ASI Video error detector. Each count marks a one second interval which contained at least one ASI
	Video Error.
Reset:	Write 0x0000 to this control to reset the counter to 0.

Name:	ASI Aud ErrSec
Menu:	Sec Errors
Type:	Resettable Counter Read/Write
Min/Max:	0/10,000(dec)
Reports:	Error-seconds count for Secondary ASI Audio error detector. Each count marks a one second interval which contained at least one ASI
	Audio Error.
Reset:	Write 0x0000 to this control to reset the counter to 0.

Control 46

Name:	BLK ErrSec
Menu:	Sec Errors
Type:	Resettable Counter Read Only
Min/Max:	0/10,000(dec)
Reports:	Error-seconds count for Secondary Black detector. Each count marks a
	one second interval in which the black detector determined that
	the image content was black.
Reset:	Write 0 to this control to reset the counter to 0.

Control 47

Name:	AUD ErrSec
Menu:	Sec Errors
Type:	Resettable Counter Read Only
Min/Max:	0/10,000(dec)
Reports:	Error-seconds count for Secondary Audio detector. Each count marks a
	one second interval in which the audio detector determined that
	the audio content (all enabled channels) was silent.
Reset:	Write 0 to this control to reset the counter to 0.

Name:	FRZ ErrSec
Menu:	Sec Errors
Type:	Resettable Counter Read Only
Min/Max:	0/10,000(dec)
Reports:	Error-seconds count for Secondary Freeze detector. Each count marks
	a one second interval in which the freeze detector determined that
	the video content was frozen.
Reset:	Write 0 to this control to reset the counter to 0.

Name:	Sec Sw Cnt
Menu:	Pri Errors, Sec Errors
Type:	Resettable Counter Read Only
Min/Max:	0/10,000(dec)
Reports:	Number of times that the switch has thrown from Primary
	to Secondary.
Reset:	Write 0 to this control to reset the counter to 0.

Control 50

Name:	Pri Frz Status
Menu:	Freeze
Type:	Indicator List Read Only
Min/Max:	0/1
Reports:	0 - "Frozen"
	1 - "Good"

Control 51

Name:	Sec Frz Status
Menu:	Freeze
Type:	Indicator List Read Only
Min/Max:	0/1
Reports:	0 - "Frozen"
	1 - "Good"

Control 52

Name:	Freeze Time
Menu:	Freeze
Type:	Adjustable Numerical Field Read/Write
Min/Max:	1/3000
Reports:	Value is length of time in tenths of seconds that the signal must
	fail the freeze detection criteria in order to be considered a fault and cause the switch to throw.
Control:	Write any value between 1 (dec) and 3000 (dec) to set audio time value. A setting of 120 corresponds to 12 seconds.

Name:	Freeze Mode
Menu:	Freeze
Type:	Scroll List Read/Write
Min/Max:	0/1
Reports:	0 - "Clean Source"
-	1 - " Noisy Source"
Control:	Write 0 or 1 to this control to set the Freeze Mode.

Name:	Pgm Target
Menu:	ASI Config
Type:	Scroll List Read/Write
Min/Max:	0/4
Reports:	0 - "Any"
	1 - " Pgm 1"
	2 - " Pgm 2"
	3 - " Pgm 3"
	4 - " Pgm 4"
Control:	Write 0, 1, 2, 3, or 4 to this control to set the ASI Program Target.

Control 55

Name:	ASI Time
Menu:	ASI Config
Type:	Number Field Read/Write
Min/Max:	1/3000 (dec)
Reports:	Value in seconds
Control:	Write any value between 1 (dec) and 3000 (dec) to set value in seconds.

Control 56

Name:	Min Vid Rate
Menu:	ASI Config
Type:	Number Field Read/Write
Min/Max:	1/10000 (dec)
Reports:	Value in PIDs
Control:	Write any value between 1 (dec) and 10000 (dec) to set value in
	PIDs.

Name:	Min Aud Rate
Menu:	ASI Config
Type:	Number Field Read/Write
Min/Max:	1/10000 (dec)
Reports:	Sets minimum Audio rate in PIDs.
Control:	Write any value between 1 (dec) and 10000 (dec) to set value in
	PIDs.

Name:	Target Select	
Menu:	PID Config	
Type:	Adjustable Numerical Field	Read/Write
Min/Max:	1/32	
Reports:	Numeric value of targeted PI	D
Control:	Write value of Target to selec	et.

Control 59

Name:	Target Mode
Menu:	PID Config
Type:	Drop down box Read/Write
Min/Max:	0/1
Reports:	0 - Off
	1 - On
Control:	Write value to turn on or off Target Mode.

Control 60 * Target Mode, Control 59 must be On.

Name:	PID Target
Menu:	PID Config
Type:	Adjustable Numerical Field Read/Write
Min/Max:	0/8191
Reports:	Numeric value of targeted PID
Control:	Write value of PID Target to select.

Control 61 * Target Mode, Control 59 must be On.

Name:	Min Rate
Menu:	PID Config
Type:	Adjustable Numerical Field Read/Write
Min/Max:	0/10000
Reports:	Numeric value of minimum PID's per sec.
Control:	Write value of of the minimum rate.

Control 62 * Target Mode, Control 59 must be On.

Name:	Pri Targ Status	
Menu:	PID Config	
Type:	Numeric Field	Read Only
Min/Max:	0/3	
Reports:	0 - Off	
	1 - Good	
	2 - Failed	
	3 - No ASI	

Control 63 * Target Mode, Control 59 must be On.

Name:	Sec Targ Status	8
Menu:	PID Config	
Type:	Numeric Field	Read Only
Min/Max:	0/3	
Reports:	0 - Off	
	1 - Good	
	2 - Failed	
	3 - No ASI	

Control 64 * Target Mode, Control 59 must be On.

Name:	Pri Actual Rate
Menu:	PID Config
Type:	Numeric Field Read Only
Reports:	Numeric value of actual Pri PID rate per sac.

Control 65 * Target Mode, Control 59 must be On.

Name:	Sec Actual Rate
Menu:	PID Config
Type:	Numeric Field Read Only
Reports:	Numeric value of actual Sec PID rate per sac.

Name:	Pri ASI Status
Menu:	PID Config
Type:	Indicator List Read only
Min/Max:	0/6
Reports:	0 - "ASI Good"
	1 - "310M Good"
	2 - "No ASI"
	3 - "No Packets"
	4 - "No PAT"
	5 - "No PMT"
	6 - "No Video"
	7 - " No Audio"
	8 - "PID Failed"

Name:	Sec ASI Status
Menu:	PID Config
Type:	Indicator List Read only
Min/Max:	0/8
Reports:	0 - "ASI Good"
	1 - "310M Good"
	2 - "No ASI"
	3 - "No Packets"
	4 - "No PAT"
	5 - "No PMT"
	6 - "No Video"
	7 - " No Audio"

8 - "PID Failed"

Control 68

Name:	Vid per Sec	
Menu:	ASI Status	
Type:	Number Field	Read Only
Min/Max:	0/15000 (dec)	
Reports:		

Control 69

Name:Aud per SecMenu:ASI StatusType:Number Field Read OnlyMin/Max:0/15000 (dec)Reports:

Control 70

Name:	PAT per Sec	
Menu:	ASI Status	
Type:	Number Field	Read Only
Min/Max:	0/500 (dec)	
Reports:		

Name:	PMT per Sec	
Menu:	ASI Status	
Type:	Number Field	Read Only
Min/Max:	0/500 (dec)	
Reports:		

Name:	PCR per Sec	
Menu:	ASI Status	
Type:	Number Field	Read Only
Min/Max:	0/15000 (dec)	
Reports:		
Control 73		
Name:	Packet Length	
Menu:	ASI Status	
Type:	Indicator List	Read Only
Min/Max:	0/4	
Reports:	0 - "None"	
	1 - "188 Bytes"	
	2 - "204 Bytes"	
	3 - "208 Bytes"	
	4 - "Non Std"	

Control 74

Name:	Pri GPI Mode
Menu:	GPI
Type:	Scroll List Read/Write
Min/Max:	0/4
Reports:	0 - "Off"
	1 - "Neg Edge Switch"
	2 - "Ext Fault Low"
	3 - "Ext Inhibit Low"
	4 - "Neg Edge Reg 1" (Recall Memory Register 1)
Control:	Write 0, 1, 2, 3 or 4 to set Primary GPI mode.

Name:	Pri GPI Status
Menu:	GPI
Type:	Indicator List Read Only
Min/Max:	0/1
Reports:	0 - "GPI is LOW"
	1 - "GPI is HIGH"

Name:	Sec GPI Mode
Menu:	GPI
Type:	Scroll List Read/Write
Min/Max:	0/4
Reports:	0 - "Off"
-	1 - "Neg Edge Switch"
	2 - "Ext Fault Low"
	3 - "Ext Inhibit Low"
	4 - "Neg Edge Reg 2" (Recall Memory Register 2)
Control:	Write 0, 1, 2, 3 or 4 to set Primary GPI mode.

Control 77

Name:	Sec GPI Status	
Menu:	GPI	
Type:	Indicator List Read Only	
Min/Max:	0/1	
Reports:	0 - "GPI is LOW"	
	1 - "GPI is HIGH"	

Control 78

Name:	Save
Menu:	Memory
Type:	Toggle Push Button Read/Write
Min/Max:	0/1
Reports:	0 - Module is not in SAVE mode.
-	1 - Module is in SAVE mode.
Change:	Write 0 to this control to toggle that

Change: Write 0 to this control to toggle that status. NOTE: Once Save mode is set, it will clear automatically in 10 seconds if no register is selected.

Control 79

Name:	Reg 1
Menu:	Memory
Type:	Toggle Push Button Read/Write
Min/Max:	0/1
Reports:	0 - Module is not in SAVE mode.
	1 - Module is in SAVE mode.
Change:	Write 0 to this control to toggle Save On/Off.
NOTE: Onc	e Save mode is set, it will clear automatically in 10 seconds if no register is se-
lected.	

Controls 80 through 83

Identical to Control 71 for remaining registers Name: Reg 2, 3, 4, 5