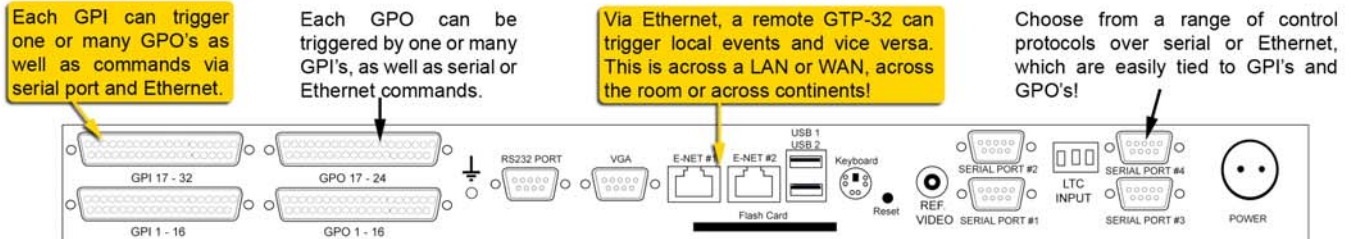


## GTP-32 PROGRAMMABLE-LOGIC CONTROL PROCESSOR

- Successfully Interconnect GPI's - GPO's - Ethernet Control - Serial Control
- Automate Repeat and Conditional Events with Rules: The GTP Does the Thinking For you!



Our Customers say:

“IT PUTS A *BRAIN* IN YOUR CONTROL SYSTEM.”

**DNF Event-Based Automation™:** You set the rules, the GTP-32 does the thinking for you! Using the GTP-32's Combinatorial Logic Option, monitor one or more inputs (GPI, Serial, Ethernet) to trigger one or more commands (GPO, Serial, Ethernet) based upon user-entered conditions: automation based on an event, not a traffic log.

- 1) Selecting a program source turns on bugs / logos
- 2) Selecting an interstitial source turns off logos, triggers DTMF tones and initiates server playback
- 3) Source selection plus signal destination turns on / off HD up-converter, aspect converter

**Keep it robust:** offload these secondary events from your main automation system or manual control to the GTP-32's event-based automation, simplifying operations for traffic and master control alike. Automatic event logging captures it all for your records.

**CONTROL MAPPING:** change input or output configurations and signal conditioning by simply editing a table!

- 1) In a shared studio facility, delegate camera tallies between multiple control rooms. Change GPI and tally routing by simply creating a new map or recalling an existing map.
- 2) Quickly and easily route GPI's from one location to another on the same floor, in the same building, between buildings, or across geographic locations.
- 3) Safely integrate GPI's and Tallies from dissimilar equipment.

Designed for non-programmers: user configuration and rules creation are quick and simple via any standard web browser!

DNF Flex Control Network™

Model 170: Tally Interface Box      Serial No: 000206  
Software Ver: LFT012      GPO: 32/32  
Serial Ports: 8      Label: DCM

Home GPI GPO Source Event Definition Combinatorial Event Definition Event Monitoring Event Diagnostics System Logout

GPO CONFIGURATION TABLE

GPO#	Label	Configuration		On Time (*10 ms)
		User Defined "ON" State	User Defined "ON" Mode	
1	GPO_1	Relay Closed	Latched	0
2	GPO_2	Relay Closed	Latched	0
3	GPO_3	Relay Closed	Latched	0
4	GPO_4	Relay Closed	Latched	0
5	GPO_5	Relay Closed	Latched	0
6	GPO_6	Relay Closed	Latched	0
7	GPO_7	Relay Closed	Latched	0

GPI's: Configure each input as active high or active low, latching, or momentary, wet or dry. **Not all contact closures are the same:** direct device-to-device connection doesn't always work. Optically isolated inputs with contact closure outputs ensure fast, safe and reliable connection.

**Fast GPI and Tally Processing:** The GTP-32 is designed for speed: upon receipt of a single GPI, the associated GPO is turned on or off in approximately 30 milliseconds. Four GPIs are processed in 80 milliseconds. Conversely, program a needed delay between receipt of a GPI and the GPO trigger!



### Available Control Protocols

- Option -GVM21.....Grass Valley M2100 Serial Tally Interface, Monitor Only
- Option -GVM21A.....Grass Valley M2100 Switcher, Monitor and Control
- Option -USR4.....Utah Scientific Router, Monitor and Control (System Control 4 Ethernet Interface)
- Option -MVPTO.....Evertz MVP Tally Object Interface, Control Only
- Option -SONYMVS.....Sony Production Switcher MVS/DVS Interface, Monitor and Control
- Option -SONYMVST.....Sony Production Switcher Serial Tally, Monitor Only
- Option -NVMCS.....Miranda-Nvision Master Control Switcher Interface, Monitor and Control, Ethernet Interface
- Option -GV Indigo.....Grass Valley Indigo Production Switcher Interface, Control Only
- Option -GV100.....Grass Valley Production Switcher Interface, Control Only
- Option -PanaHS.....Panasonic HS300/400 Production Switcher Interface, Control Only
- Option -ICONMCS.....Harris Icon Master Control Switcher Interface

### GTP-32 Programmable-Logic Control Processor Specifications

Power 90 VAC - 240 VAC power supply, APX #4108, supplied with IEC connector

Size 1RU: 19 inch x 1 3/4 inch x 8 1/2 inch

Weight 7 lbs

Display 2 line x 16 character

Keyboard 8 keys with LED

Rear Panel	Diagnostic	DB9 Female
	Power	DB9 Male
	Serial Port 1	DB9 Female
	Serial Port 2	DB9 Female
	E-Net1	Ethernet RJ45
	E-Net2	Ethernet RJ45
	REF Video	BNC Connector, Female (Not Used)
	LTC Input	BNC Connector, Female (Not Used)
	GPIO	4x DB37 Female

GPIO Connectors 1 - 8, 9 - 16, 17 - 24, 25 - 32: 4 x 37-Pin Female (DB37)

GPI: Opto Isolated Input. GPI source must provide power to turn on opto-isolator.  
GPO: Relay Contact Closure Output. "Dry" contact closure.

Power Connector: 9-Pin Male (DB9M)

Pin #	Function	Pin #	Function
1	+5v DC	6	+5 VDC
2	+5v DC	7	Ground
3	Ground	8	Ground
4	+12v DC	9	Ground
5	-12 vDC		

### OPTIONAL GTP-32BP BREAKOUT PANEL:

Provides fast and simple connections to the GTP-32's Inputs and Outputs

- 19-inch rackmount, 2-RU
- Thirty-two 2-pin pluggable GPI Input connectors
- Thirty-two 2-pin pluggable GPO Output connectors
- WET or DRY GPI Inputs, jumper selectable
- Recessed housing design allows cable access from within rack
- Front panel tie rod for cable strain relief
- Dual WET power supplies included
- 4- DB37 Male to DB37 Male cables included to connect GTP-32 to Breakout Panel

