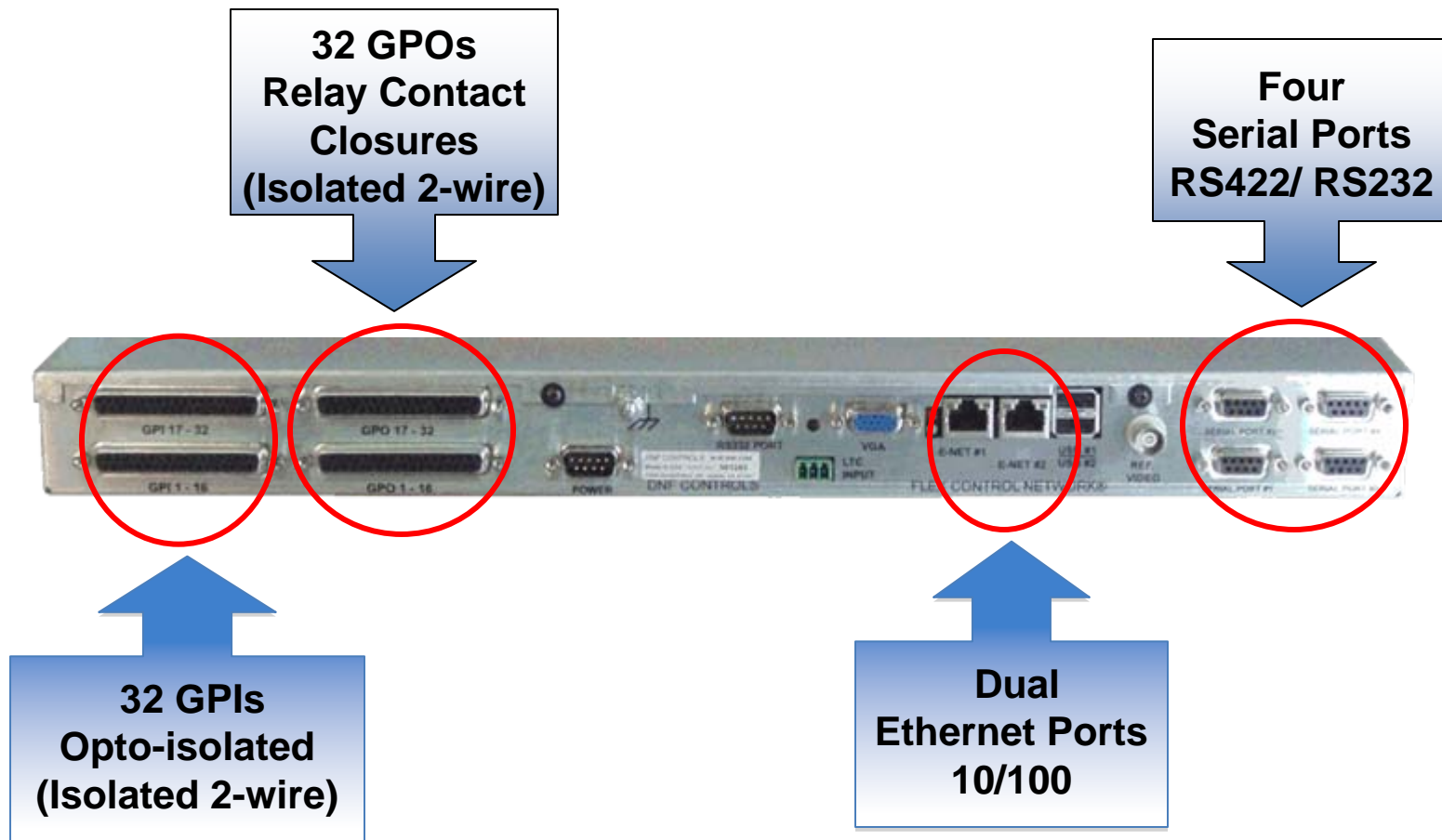


GTP-32 PROGRAMMABLE-LOGIC CONTROL PROCESSOR

*Tally Router, Tally Distributor, and Tally Combiner
Supports: GPIO- Serial - Ethernet*

- **Safely share tallies between production trucks, production facilities, and broadcast facilities**
- **Quickly and Easily interconnect trucks and facilities to save time and money**

GTP-32 PROGRAMMABLE-LOGIC CONTROL PROCESSOR

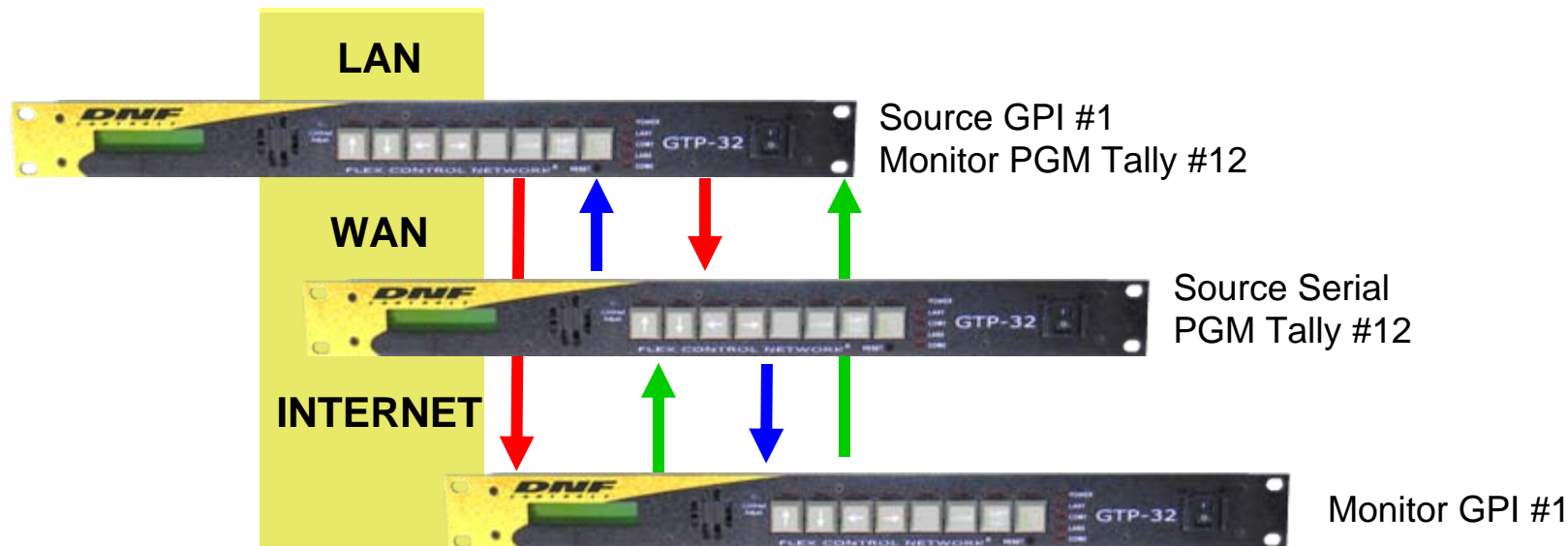
Isolated inputs and outputs provide fast and safe connection between equipment—without fear of damage due to dissimilar voltage requirements, signal levels, or grounding.

GTP-32 PROGRAMMABLE-LOGIC CONTROL PROCESSOR
Simple to configure; Simple to re-configure



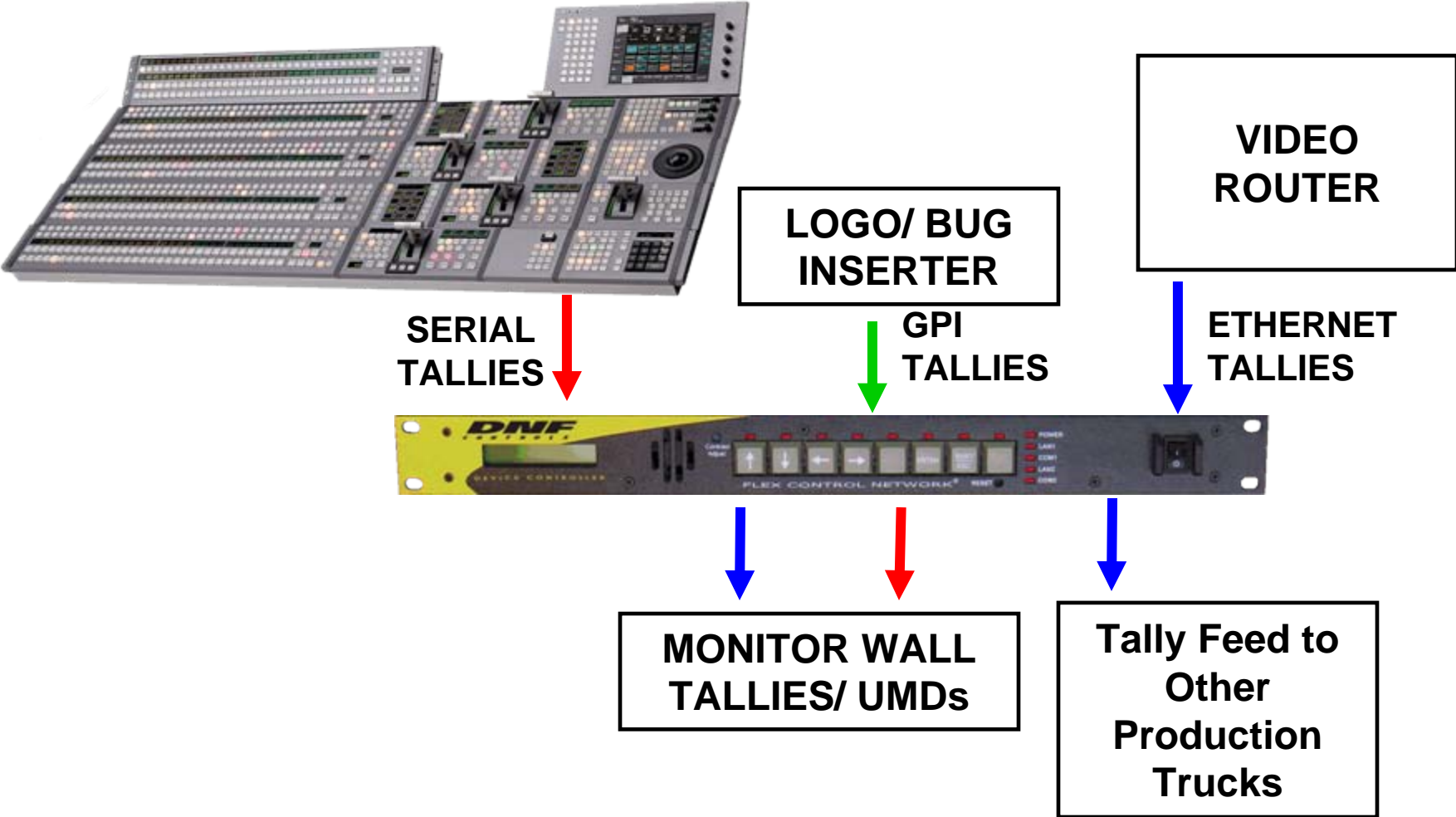
- Configure GTP using an off-the-shelf web browser.
- All configuration settings stored in GTP.
- Configuration changes immediately active. Reboot not required.
- Save and restore configuration settings for fast setups and quick change-overs during a broadcast or production.
- Configure GPs and GPOs as needed:
 - Latch, momentary, active high, active low
- Supports conditional tally processing

GTP-32 PROGRAMMABLE-LOGIC CONTROL PROCESSOR



- Route any tally input– GPIO, Serial, or Ethernet – to any tally output within a facility, across a compound, or around the world
- Distribute one tally to multiple locations or combine multiple tally inputs using powerful tally processing to create a resulting tally output
- Connect multiple GTPs together over an Ethernet local area network, wide area network, or the Internet to share, route, and distribute tallies where they are needed

GTP-32 PROGRAMMABLE-LOGIC CONTROL PROCESSOR *Supports Hundreds of Tallies over Serial & Ethernet* *Fast & Easy Tally Routing and Distribution*

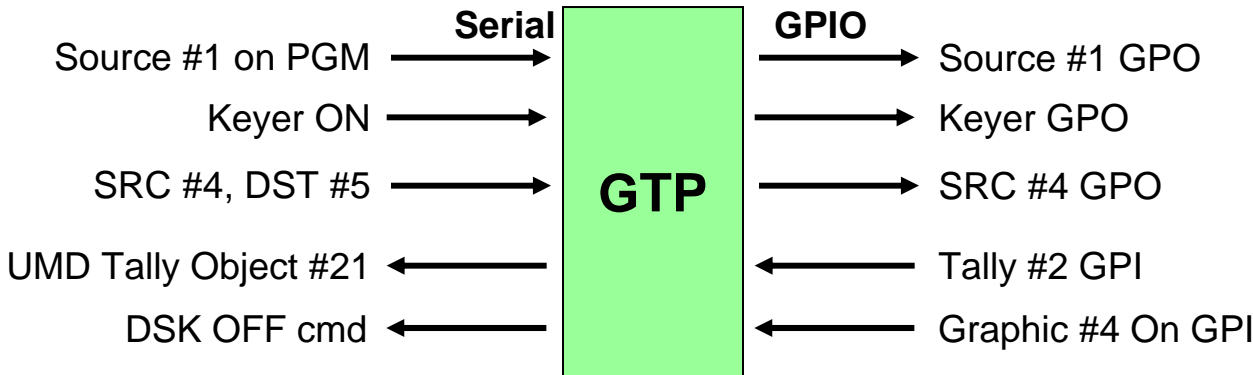


*GTP-32 PROGRAMMABLE-LOGIC CONTROL PROCESSOR
SIMPLIFIES EQUIPMENT INTERFACING*

GPI (Input) to GPO (Output)

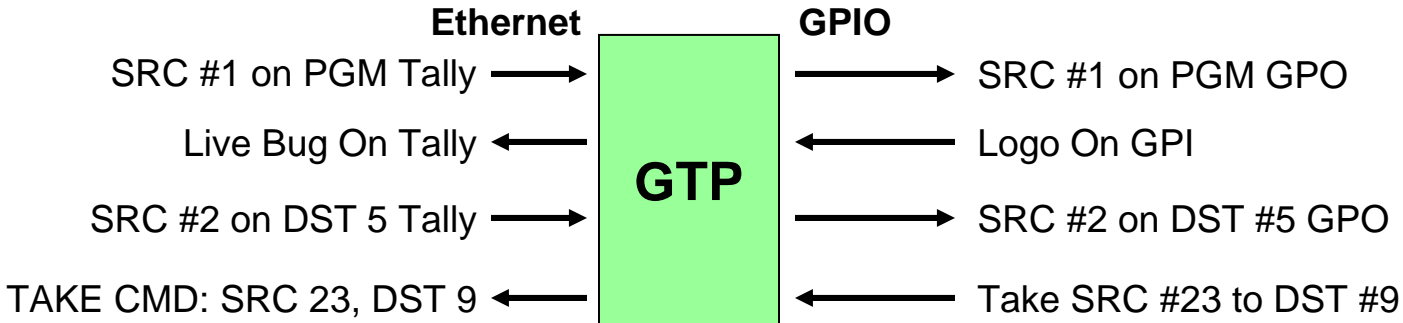
Latching IN	—————>	Latching OUT
Latching IN	—————>	Momentary(100ms) OUT
Momentary IN	—————>	Latching OUT
Momentary (30ms) IN	—————>	Momentary (100ms) OUT
Momentary (250ms) IN	—————>	Momentary (30ms) OUT
Pull to Voltage	—————>	Pull to Ground

Serial Tally ⇔ GPIO

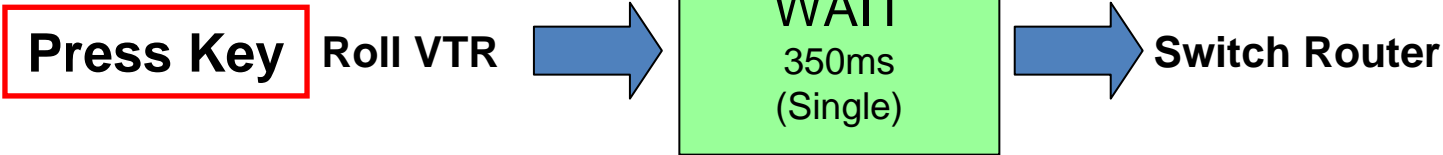
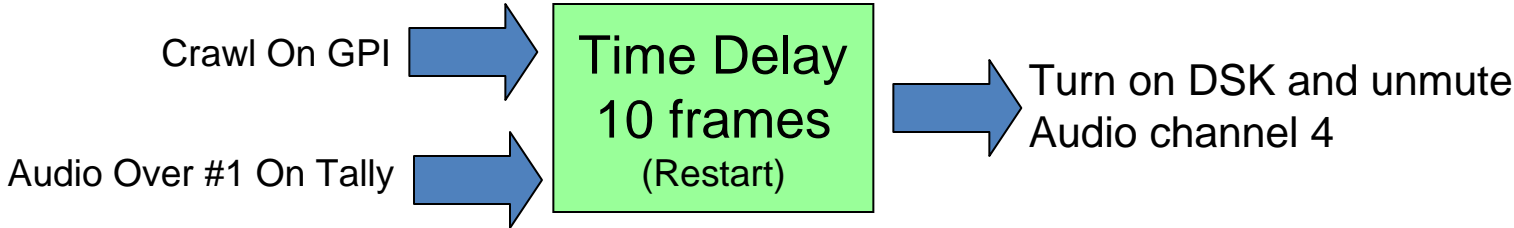


*GTP-32 PROGRAMMABLE-LOGIC CONTROL PROCESSOR
SIMPLIFIES EQUIPMENT INTERFACING*

Ethernet Tally ⇔ GPIO



Time Delay Option



GTP-32 PROGRAMMABLE-LOGIC CONTROL PROCESSOR

"It's in there" No external adapters required

- Momentary GPIs will not detect OFF state change.
- For normal operation use Latched GPIs.

[Edit / Backup / Restore / Create Default / GPI Configuration Table](#)

[Edit / Backup / Restore / Create Default / GPI Configuration Table](#)

GPO CONFIGURATION TABLE

[Refresh](#)

GPO#	Label	Current State	User Defined "ON" State	User Defined "ON" Mode	On time (*10 ms)	Transition Delay (*10 ms)	Debounce Time (*16 ms)
1	LatchingOut_1	OFF	Relay Closed	Latched	1	0	1
2	LatchingOut_2	OFF	Relay Closed	Latched	1	0	1
3	MomentOut_1	OFF	Relay Closed	Momentary	10	0	1
4	MomentOut_2	OFF	Relay Closed	Momentary	10	0	1
5	LatchOpen_1	OFF	Relay Open	Latched	1	0	1
6	LatchOpen_2	OFF	Relay Open	Latched	1	0	1
7	MomentOpen_1	OFF	Relay Open	Momentary	100	0	1
8	MomentOpen_2	OFF	Relay Open	Momentary	100	0	1
9	GPO_9	OFF	Relay Closed	Latched	1	0	1
10	GPO_10	OFF	Relay Closed	Latched	1	0	1
11	GPO_11	OFF	Relay Closed	Latched	1	0	1
12	GPO_12	OFF	Relay Closed	Latched	1	0	1
13	GPO_13	OFF	Relay Closed	Latched	1	0	1
14	GPO_14	OFF	Relay Closed	Latched	1	0	1

GPI CONFIGURATION TABLE

[Refresh](#)

GPI#	Label	Opto Isolator State	GPI CURRENT EVENT STATE	Configuration		
				User Defined "ON" State	User Defined "ON" Mode	Debounce (*10 ms)
1	Latch_1	Deenergized	OFF	OPTO ON	Latched	1
2	Latch_2	Deenergized	OFF	OPTO ON	Latched	1
3	Moment_1	Deenergized	OFF	OPTO ON	Momentary	1
4	Moment_2	Deenergized	OFF	OPTO ON	Momentary	1
5	Moment_3	Deenergized	OFF	OPTO ON	Momentary	100
6	Moment_4	Deenergized	OFF	OPTO ON	Momentary	100
7	LatchOff_1	Deenergized	ON	OPTO OFF	Latched	1
8	LatchOff_2	Deenergized	ON	OPTO OFF	Latched	1
9	MomentOff_1	Deenergized	OFF	OPTO OFF	Momentary	100
10	MomentOff_2	Deenergized	OFF	OPTO OFF	Momentary	100
11	GPI_11	Deenergized	OFF	OPTO ON	Latched	1
12	GPI_12	Deenergized	OFF	OPTO ON	Latched	1
13	GPI_13	Deenergized	OFF	OPTO ON	Latched	1

**GPO ON= Relay Open or Relay Closed
Latched or Momentary**

**GPI ON= Opto energized or de-energized
Latched or Momentary**

GTP-32 PROGRAMMABLE-LOGIC CONTROL PROCESSOR
Simple to configure; Simple to re-configure

4 Control Channels: Serial and Ethernet Tallies
Monitor & Control
UMD Control

PROTOCOL ASSIGNMENT TABLE

Channel	Physical Connector	Channel Label	Control Protocol	Control Function	List Config	Device Config	PHY Config	Event Definitions	Status
1	Serial_1	label0	Sony MVS Tally	Monitor/ Control	N/A	N/A	View Edit	Control	N/A
2	Serial_2	label1	Evertz MVP	Control	N/A	View Edit	View Edit	N/A	Diag
3	Serial_3	label2	Unassigned	N/A Ch Type	N/A	Unassigned	N/A	N/A	No Comm
4	Enet-1	label3	Unassigned	N/A Ch Type	N/A	Unassigned	N/A	N/A	No Comm

Time Delay Action Definitions [Display Status](#)

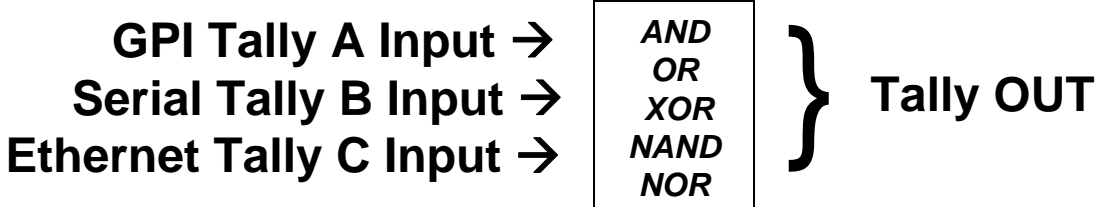
Action Label	Frequency	Delay Time HH:MM:SS:FF	Function
TD_Repeat_15	Repetitive	00:00:15:00	Turn On GPO
TD_Restart_1m	Restart	00:01:00:00	Toggle GPO
TD_VGPI1_30s	Repetitive	00:00:30:00	VGPI_1
TD_Single_5h	Repetitive	05:00:00:00	VGPI_9
TD_CANCEL_Repeat_15	Repetitive	CANCEL	TD_Repeat_15
TD_CANCEL_Single_5h	Repetitive	CANCEL	TD_Single_5h

Time Delay: HH:MM:SS:FF

GTP-32 PROGRAMMABLE-LOGIC CONTROL PROCESSOR

Simple to configure; Simple to re-configure

Powerful Tally Conditioning:



COMBINATORIAL EVENT DEFINITION TABLE Refresh

Event Label	Combinatorial Event Definition	Enabled?
DIY_SD_GoToA	(USP1_DIY_SD OR USP3_DIY_SD) AND DIY_SD_B_Stat AND (NOT DIY_SD_A_Stat)	YES
DIY_SD_GoToB	(USP1_DIY_SD OR USP3_DIY_SD) AND DIY_SD_A_Stat AND (NOT DIY_SD_B_Stat)	YES
ET_DIY_SD_A	DIY_SD_A_Stat AND NOT DIY_SD_B_Stat	YES
ET_DIY_SD_B	DIY_SD_B_Stat AND NOT DIY_SD_A_Stat	YES
ET_DIY_SD_ERR	NOT HGTV_E_A_Stat AND NOT HGTV_E_B_Stat AND NOT FLN_SD_A_Stat AND NOT FLN_SD_B_Stat	YES
ET_FLN_SD_A	FLN_SD_A_Stat AND NOT FLN_SD_B_Stat	YES
ET_FLN_SD_B	FLN_SD_B_Stat AND NOT FLN_SD_A_Stat	YES
ET_FLN_SD_ERR	NOT HGTV_E_A_Stat AND NOT HGTV_E_B_Stat AND NOT FLN_SD_A_Stat AND NOT FLN_SD_B_Stat	YES
ET_Food_E_A	Food_E_A_Stat AND NOT Food_E_B_Stat	YES
ET_Food_E_B	Food_E_B_Stat AND NOT Food_E_A_Stat	YES
	NOT HGTV_E_A_Stat AND NOT HGTV_E_B_Stat AND NOT FLN_SD_A_Stat AND	

Add Combinatorial Source Definition

Event Label

Available Source Events

Operators

Combinatorial Event Definition

Enabled?

Save & Exit

Select one ...

Select one ...

GPI EVENTS:

- HGTV_E_A_Stat
- HGTV_E_B_Stat
- HGTV_W_A_Stat
- HGTV_W_B_Stat
- HGTV_HD_A_Stat
- HGTV_HD_B_Stat
- Food_E_A_Stat
- Food_E_B_Stat
- Food_W_A_Stat
- Food_W_B_Stat
- Food_HD_A_Stat
- Food_HD_B_Stat
- GAC_A_Stat
- GAC_B_Stat
- DIY_SD_A_Stat
- DIY_SD_B_Stat
- FLN_SD_A_Stat
- FLN_SD_B_Stat

GTP-32 PROGRAMMABLE-LOGIC CONTROL PROCESSOR

Tally Router: 1 Tally/ Event IN → 1 Tally/ Action OUT

Tally Distributor: 1 Tally/ Event IN → Many Tallies/ Actions Out

[Add / Edit / Delete / Backup / Restore Channel Event](#)

[Create Default Event Monitor Table](#)

Currently used file is EVNT34.db.

Last Refreshed: February / 26 / 2010 13:50:03

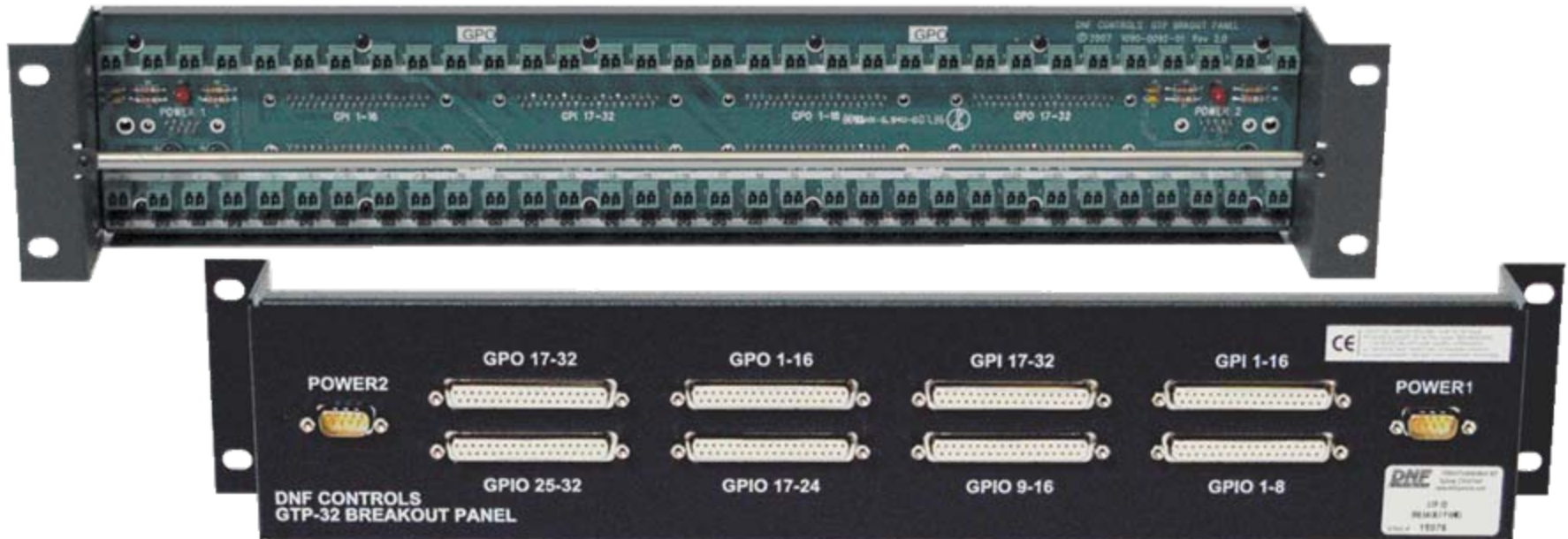
EVENT MONITORING TABLE

Status	Source IP	Connection Status	Event Label	Event Status	Frequency	GPO Label	ON Function	OFF Function
Enabled	0.0.0.0	Local	DIY_SD_GoToA	OFF	Repetitive	GPO_16	Turn Off GPO	Do Nothing
Enabled	0.0.0.0	Local	DIY_SD_GoToA	OFF	Repetitive	GPO_16	Turn On GPO	Do Nothing
Enabled	192.168.10.213	Remote	GPI_21	OFF	Repetitive		CH_1_PLAY	CH_1_STOP
Enabled	0.0.0.0	Local	DIY_SD_GoToB	OFF	Repetitive		TAKE_2_10	Do Nothing
Enabled	0.0.0.0	Local	FLN_SD_GoToA	OFF	Repetitive		TAKE_5_10	Do Nothing
Enabled	0.0.0.0	Local	FLN_SD_GoToA	OFF	Repetitive	GPO_17	Turn On GPO	Do Nothing
Enabled	0.0.0.0	Local	FLN_SD_GoToB	OFF	Repetitive	GPO_17	Turn Off GPO	Do Nothing
Enabled	0.0.0.0	Local	FLN_SD_GoToB	OFF	Repetitive	GPO_18	Turn On GPO	Turn Off GPO
Enabled	0.0.0.0	Local	GPI_17	OFF	Repetitive		BUG_1_ON	Do Nothing
Enabled	0.0.0.0	Local	GPI_18	OFF	Repetitive		BUG_2_ON	Do Nothing
Enabled	0.0.0.0	Local	GPI_19	OFF	Repetitive		BUG_3_ON	Do Nothing
Enabled	0.0.0.0	Local	Food_East_GoToB	OFF	Repetitive	MomentOpen_2	Turn On GPO	Do Nothing
Enabled	0.0.0.0	Local	Food_East_GoToA	OFF	Repetitive	GPO_19	Turn Off GPO	Do Nothing

Tally or Event IN



Tally or Action OUT

GTP-32 BREAKOUT PANEL

- Fast and simple Phoenix style 2 wire connectors
- WET or DRY GPI Inputs, jumper selectable
- Dual WET power supplies included

GTP-32 PROGRAMMABLE-LOGIC CONTROL PROCESSOR
GTP-32 BREAKOUT PANEL

For more information or to arrange a demonstration,
please contact us at:

sales@dnfcontrols.com

or

818-898-3380