

USP-RDC-8 & USP-RDC-16

- Control Primary and Backup at the press of one button
- Monitor Primary and Backup status on the same button
- Visual Sync Error when Primary and Backup don't match
- Select control of Primary or Backup only to fix sync error
- Visual Error for Primary or Backup failure

A new addition to DNF Controls' field proven, trusted Universal Switch Panel product line, the USP-RDC makes it easy to control and monitor Primary / Backup systems—

Emergency Bypass Switches, Break-In Switches, Signal Path Switches, Audio / Video Routers, Content & Commercial Playout......

Simplify Operation & Reduce Operator Error

Monitor and control the primary and backup system from a single tactile panel. Press one button to command both systems simultaneously. Press another button to control only Primary or only Backup. Give the operator control over only those functions required to do the job.

In one location, tally both Primary and Backup statuses with text and color. When a Primary / Backup mismatch occurs, the assigned button changes to assigned color to quickly notify the operator of a system error.

Press a button to turn off Redundant control and tally. Press another button to only view and control Primary. Press it again to only view and control Backup to quickly and easily correct system mismatch.

Replace Difficult to Support or Obsolete systems

The USP-RDC is an off-the-shelf solution that can be easily configured by personnel to meet operational needs. Assign specific functions to specific keys. Use key color and text to help operator easily identify Primary / Backup system status and errors. Easily add or remove functions and status as staffing and operational needs change.

Setup and Configuration is Easy

Use a standard web-browser to assign functions to keys, enter key text, and select key colors. Simply select from drop-drown menus and fill in text boxes. Save panel configuration to your PC. Create multiple configurations for special events, weekend staffing, and temporary needs. Restore saved configuration from your PC to the panel.

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Revision History

Version 1.0	Original
Version 1.1	Added User Register description to Tally Assignment table.
Version 1.2	Added Follow GTP/DC description to Tally Assignment table.

1. INSTALLATION & CONFIGURATION

INSTALLATION

Refer to the <u>REAR PANEL CONNECTORS</u> section for power, Ethernet, and switch information.

Use the <u>Remote Device Assignment</u> web page to configure connectivity to GTP-32 Control Processor or DC20 Device Controller.

Use the <u>Event Action Table</u> web page to send USP key presses to Remote Devices defined on the Remote Devices Assignment web page.

Use the <u>Tally Assignment</u> web page to configure key tallies- text and color.

POWER

The USP-RDC is powered from a DNF supplied external power supply.

DEFAULT ETHERNET CONFIGURATION

IP Address:	192.168.10.217
Subnet Mask:	255.255.255.0
Gateway:	192.168.10.1

RESET

Press the RESET switch on the rear of the unit to reboot it.

Switch S1

Press and hold the S1 switch for 10 seconds to reset the IP address, subnet mask, Gateway, and configuration to factory defaults.

CONFIGURATION

The USP-RDC is configured using a standard web browser (Internet Explorer, Firefox, and Chrome). Enter the USP's IP address in the Address/ URL bar, typically located at the top of the web browser page, to access the configuration Home Page. Use the links on the left side of the Home Page to access the desired configuration web page.

All configuration settings are saved in non-volatile memory in the unit. Settings are retained when power is removed.

Settings may be uploaded to a computer as a configuration file (.dnf) for storage. Configuration files may be downloaded from a computer into the USP to restore a saved configuration. A configuration file contains all of configuration settings except IP address, subnet mask, and gateway address. Partial configuration upload or download is not supported. The configuration file is a not a text formatted file. It can not be viewed or modified with a text editor.

To access the System Configuration web page, use the following log-on when prompted.

User name: dnfuser

Password: controls

NOTE- Redundant Mode of operation is enabled at powerup.

Use a USP key to turn Redundant Mode On/Off.

SYSTEM CONFIGURATION Web Page



P1 Software Upgrade:	Use this link to install the P1 upgrade file provided by DNF Controls
P2 Software Upgrade:	Use this link to install the P2 upgrade file provided by DNF Controls
Web Upgrade:	Use this link to install the Web pages upgrade file provided by DNF Controls
Save Configuration to PC:	Use this link to save the current configuration to a configuration file on a computer. The web browser will prompt for file name and directory. The file extension must be 'dnf'. The file can not be read with a text editor.
Restore Configuration from PC:	Use this link to download a configuration file from your computer. The web browser will prompt for directory and configuration file name. The file extension must be 'dnf'.
Set Factory Defaults:	Use this link to reset all configurations to factory defaults. This will NOT change the IP address, subnet mask or gateway address. The unit will automatically reboot.
Enter Label	Enter device identifier that is displayed at the top of the home page.
Enter the new IP settings below:	Enter the new IP address, Gateway, and Subnet Mask. Click on <u>Save Config</u> to save the new entries. The USP will automatically reboot.

2. REMOTE DEVICE ASSIGNMENT Configuration Web Page

DITE	USP-R	DC	Uni	t Label	I						k	
Home							<u>Refresh</u>					
Remote Device Assignment						REMO	TE DEVICE LIST					
Event Action Table	ľ	Device #	Remote Device Label	Device Type	Primary /Backup Pair	Connection Type	Connection Mode	UDP Attempts	IP Adresss	Port Number	Heartbeat Rate (seconds)	Connection Status
Event Action Table		1	GTP-32	GTP-32/DC20 💌	None 💌	UDP 💌	Client Transmit/Receive 💌	3 🗸	192.168.10.217	161	5 💌	
Tallu Accignment		2	Remote Device 2	GTP-32/DC20 💌	None 💌	UDP 💌	Client Transmit/Receive 💌	3 💌	0.0.0.0	161	5 💌	
rany Assignment		3	Remote Device 3	GTP-32/DC20 💌	None 💌	UDP 💌	Client Transmit/Receive 💌	3 💌	0.0.0.0	161	5 💌	
Log Out		4	Remote Device 4	GTP-32/DC20 💌	None 💌	UDP 💌	Client Transmit/Receive 💌	3 🗸	0.0.0.0	161	5 💌	
Log Out												
System Configuration							Save					

Remote Device Label	Enter any 32 characters. This label is for convenience only and is used in the Event Action Table.
Device Type	GTP-32/DC20- Use to connect to DNF Controls GTP-32 and DC20 devices
Primary / Backup Pair	Assign Remote Device to a Primary / Backup Pair #1 or Pair #2.
	Assign Remote Device as Primary or Backup within pair.
Connection Type	Not Used
Connection Mode	Not Used
UDP Attempts	Not Used
IP Address	GTP-32 / DC20 IP address
Port Number	Not Used
Heartbeat Rate	Default value is 5 seconds. Communication error is defined as a loss of two consecutive heartbeats.
Connection Status	Not connected
	Connected Connected to GTP-32/DC20 Device

Please note-

The USP will transmit messages only to the specified IP address listed in the Remote Device Assignment Table.

The USP will accept messages only from GTP-32 /DC20s whose IP addresses are entered in the Remote Device Assignment Table. The sender's IP address must match the entry in the table.

3. EVENT ACTION TABLE Configuration Web Page

Home Save Remote Device Assignment EVENT IN -> ACTION OUT ALLE Cocal/ Remote Device Type Action Lable Event Action Table Image Source FVENT IN ON ACTION OFF ACTION Tally Assignment Image Source FVENT IN Image Action Lable Image		-RDC	Un	it Lab	el						
VEVENTIN-SACTION UITABLE Action Table Image: Source Event Type ON ACTION Cocol/ Remote Device Type Action Label Local // Remote Device Remote Device	Home				Save						
Assignment Image: Source FUENT IN ON ACTION OFF ACTION Levent Action Table Line # Source Feent Type Rend Colorly Rend Colorly Rend Colorly Type Action Label Rend Colorly Type Action Label Rend Colorly Rend Colorly<	Remote Device					EVI	ENT IN -> ACTION	OUT TABLE			
LendLondSourceEvent TypeLocal/ Remote DeviceTypeAction LodelDecol/ Remote DeviceTypeAction Lodel1LocalKey Pess V1 ×GP32 ···Key Pess V···Local ···Do Ioning ······2LocalKey Pess V2 ×GP32 ···Key Pess V···Local ···Do Noting V···3LocalKey Pess V3 ···GP32 ···Key Pess V···Local ···Do Noting V···3LocalKey Pess V3 ···GP32 ···Key Pess V···Local ···Do Noting V···4LocalKey Pess V6 ···GP32 ···Key Pess V···Local ···Do Noting V···5LocalKey Pess V6 ···GP32 ···Key Pess V···Local ···Do Noting V···5LocalKey Pess V6 ···GP32 ···Key Pess V···Local ···Do Noting V···6LocalKey Pess V6 ···GP32 ···Key Pess V···Local ···Do Noting V···7LocalKey Pess V6 ···GP32 ···Key Pess V···Local ···Do Noting V···7LocalKey Pess V6 ···GP32 ···Key Pess V···Local ···Do Noting V···8LocalKey Pess V6 ···GP32 ···Key Pess V···Local ···Do Noting V···9LocalK	Assignment			EVENT IN			ON ACTION			OFF ACTION	
1 Loal × Key Pess × 1 × TP32 × Key Pess × V Loal × Do Nohing × V 2 Loal × Key Pess × 2 × GTP32 × Key Pess × 0 Loal × Do Nohing × V Loal × No V Loal × Nohing × V Loal × Key Pess × I V Loal × No V Ioal × No V Ioal × No V Ioal × No Ioal × No Ioal × No Ioal × Ioal × No Ioal × Ioal × No Ioal × Ioal × Ioa Ioal × Ioal × Ioal ×	Event Action Table	Line#	Source	Event Type	Event	Local/ Remote Device	Туре	Action Label	Local/ Remote Device	Туре	Action Label
Paily Assignment 2 Local w Kay Perss w 2 w Kay Perss w w Local w Do Nathing w w 3 Local w Kay Perss w 3 w GTP-32 w Kay Perss w w Local w Do Nathing w w 4 Local w Kay Perss w 4 w GTP-32 w Kay Perss w w Local w Do Nathing w w 5 Local w Kay Perss w 6 w GTP-32 w Kay Perss w v Local w Do Nathing w w 6 Local w Kay Perss w 6 w GTP-32 w Kay Perss w v Local w Do Nathing w w 7 Local w Kay Perss w 6 w GTP-32 w Kay Perss w v Local w Do Nathing w w v v Local w Do Nathing w v v V Local w Do Nathing w v V Local w Do Nathing w v v V Local w Do Nathing w v V Local w		1	Local 💌	Key Press 🔽	1 💌	GTP-32 💌	Key Press 💌		Local 💌	Do Nothing 🛛 💌	
3 Loal Key Press 3 CTP-32 Key Press V Loal Do Mohing V 4 Loal Key Press 4 GTP-32 Key Press V Loal Do Mohing V 5 Loal Key Press V Loal V Loal Do Mohing V 6 Loal Key Press V Loal V Loal Do Mohing V 7 Loal Key Press V Loal V Loal Do Mohing V 8 Loal Key Press 7 GTP-32 Key Press V Loal Do Mohing V 9 None Key Press 7 GTP-32 Key Press V Loal Do Nothing V 10 Loal Key Press 9 GTP-32 Key Press V Loal V Do Nothing V 11 None Key Press 9 GTP-32 Key Press V Loal V Do Nothing V 12 None Key	Tally Assignment	2	Local 💌	Key Press 💌	2 💌	GTP-32 💌	Key Press 💌		Local 💌	Do Nothing 🛛 💌	
Log Out 4 Load Kay Pess 4 GTP-32 Kay Pess ✓ Load ✓ Do Nothing ✓ ✓ System Configuration 5 Load Kay Pess 5 5 6 GTP-32 Kay Pess ✓ Load ✓ Do Nothing ✓ ✓ 6 Load Kay Pess 7 ✓ GTP-32 ✓ Kay Pess ✓ Load ✓ Do Nothing ✓ ✓ Oo Nothing ✓ ✓ ✓ Iooal ✓		3	Local 💌	Key Press 💌	3 💌	GTP-32 💌	Key Press 💌	×	Local 💌	Do Nothing 🛛 💌	
System Configuration S Local Key Pess S GTP-32 Key Pess V Local V Do Nothing V 6 Local Key Pess 6 GTP-32 Key Pess V Local V Do Nothing V V 7 Local Key Pess 7 GTP-32 Key Pess V Local V Do Nothing V V 8 Local Key Pess 8 GTP-32 Key Pess V Local V Do Nothing V V 9 None Key Pess 9 GTP-32 Key Pess V Local V <td< th=""><th>Log Out</th><th>4</th><th>Local 💌</th><th>Key Press 💌</th><th>4 💌</th><th>GTP-32 💌</th><th>Key Press 💌</th><th></th><th>Local 💌</th><th>Do Nothing 💌</th><th></th></td<>	Log Out	4	Local 💌	Key Press 💌	4 💌	GTP-32 💌	Key Press 💌		Local 💌	Do Nothing 💌	
System Configuration 6 Local Kay Pess V Local V Do Nothing V 7 Local Kay Pess 7 GTP.32 Kay Pess V Local V Do Nothing V 8 Local Kay Pess 7 GTP.32 Kay Pess V Local V Do Nothing V 9 None Kay Pess 8 GTP.32 Kay Pess V Local V Do Nothing V 9 None Kay Pess 8 GTP.32 Kay Pess V Local V Do Nothing V 10 Local Kay Pess 9 GTP.32 Kay Pess V GTP.32 Kay Release V 11 None Kay Pess 9 GTP.32 Kay Release V Local V Do Nothing V Local V GTP.32 Kay Release V Local V Do Nothing V Local V Do Nothing V Local V Do Nothing V Local V		5	Local 💌	Key Press 💌	5 💌	GTP-32 💌	Key Press 💌		Local 💌	Do Nothing 💌	
Configuration 7 Loal Kay Press 7 GTP.32 Kay Press V Loal V Do Nothing V 8 Loal Kay Press 8 GTP.32 Kay Press V Loal V Do Nothing V 9 None Kay Press 8 GTP.32 Kay Press V Local V Do Nothing V 10 Local Kay Press 9 GTP.32 Kay Press V GTP.32 Kay Release V 11 None Kay Press 9 GTP.32 Kay Release V Local V Do Nothing V Local V O None Kay Release V Local V Do Nothing V Local V Do Nothing V Local V Local V Do Nothing V Local V	System	6	Local 💌	Key Press 💌	6 💌	GTP-32 💌	Key Press 💌		Local 💌	Do Nothing 💌	
8 Local Kay Press 8 GTP-32 Kay Press 1 Local © Nothing I 9 None Kay Press I Local Icoal Icoal <th>Configuration</th> <th>7</th> <th>Local 💌</th> <th>Key Press 💌</th> <th>7 💌</th> <th>GTP-32 💌</th> <th>Key Press 💌</th> <th></th> <th>Local 💌</th> <th>Do Nothing 💌</th> <th></th>	Configuration	7	Local 💌	Key Press 💌	7 💌	GTP-32 💌	Key Press 💌		Local 💌	Do Nothing 💌	
9 None ♥ Kay Press ♥ ♥ Local ♥ Do Nathing ♥ ↓ Local ♥ Do Nathing ♥ ♥ 10 Local ♥ Kay Press ♥ 9 Ø GTP-32 Kay Release ♥ 11 None ♥ Kay Press ♥ 9 Ø GTP-32 Ø Kay Release ♥ 12 None ♥ Kay Press ♥ 1 Ø Remote Device 2 Bernote Device 2 De Nothing ♥ ♥ Ø 13 None ♥ Kay Press ♥ 1 V Remote Device 2 De Nothing ♥ Ø Ø 14 Local ♥ Kay Press ♥ 1 V Local ♥ Do Nothing ♥ Icoal ♥ <th></th> <th>8</th> <th>Local 💌</th> <th>Key Press 💌</th> <th>8 💌</th> <th>GTP-32</th> <th>Key Press 💌</th> <th></th> <th>Local 💌</th> <th>Do Nothing 💌</th> <th></th>		8	Local 💌	Key Press 💌	8 💌	GTP-32	Key Press 💌		Local 💌	Do Nothing 💌	
10 Local Kay Pess 9 GTP-32 Kay Pess GTP-32 Kay Release 11 None Kay Pess V Local Kay Release V Local Do Nothing V 12 None Kay Pess V Local V Local Do Nothing V 13 None Kay Pess V Local V Local V Local V Do Nothing V 14 Local Kay Pess V Local V Local V Do Nothing V 15 None Kay Pess V Local V Local V Do Nothing V 16 None Kay Pess V Local		9	None 💌	Key Press 💌		Local 💌	Do Nothing 💌		Local 👻	Do Nothing 🔍	
11 None V Kay Pess V V GTP32 Kay Release V Local Do Nothing V 12 None V Kay Pess V I V Remote Device 2 Remote Device 2 Local Do Nothing V 13 None V Kay Pess V V Local Do Nothing V Local Do Nothing V 14 Local Kay Pess V I Local Do Nothing I Local Do Nothing I V 15 None V Kay Pess V I Local Do Nothing I Local Do Nothing I V 16 None V Kay Pess V V Local Redundant Off Redundant Off Local Do Nothing I V 17 None V Kay Pess V V Local		10	Local 💌	Key Press 💌	9 💌	GTP-32	Key Press		GTP-32	Key Release 💌	
12 None V Kay Press V 1 V Remote Device 2 V Local V Local V Do Nothing V 13 None V Kay Press V V Local V Local V Local V Do Nothing V 14 Local Kay Press V 1 V Local V Do Nothing V Local V Do Nothing V V 15 None V Kay Press V 1 V Local V Do Nothing V Local V Do Nothing V V Do Noth		11	None 💌	Key Press 💌		GTP-32	Key Release		Local 💌	Do Nothing 💉	
13 None V Kay Press V V Local V Do Nothing V		12	None 💌	Key Press 💌	1 🖂	Remote Device 2 Remote Device 3	Rey 11ess		Local 💌	Do Nothing 💌	
14 Local Kay Press 1 Local Do Nothing Local Do Nothing Image: Constraint of the constraint of t		13	None 💌	Key Press 🔻		Local 💌	Do Nothing 💌		Local 💌	Do Nothing 💉	
15 None V Key Press V 1 V Local V Redundant Off Local V		14	Local 💌	Key Press 💌	1 💌	Local 💌	Do Nothing		Local 💌	Do Nothing 💌	
16 None V Kay Press V V Local V Redundant On Redundant Toggle V Local V Do Nothing V 17 None V Kay Press V V Local V Local V Local V 18 None V Kay Press V V Local V Local V Local V		15	None 💌	Key Press 💙	1 🗵	Local 🗸	Redundant Off		Local 🗸	Do Nothing 💉	
17 None V Key Press V V Local V Select Main V Local V Do Nothing V V 18 None V Key Press V V Local V Main-Backup Toggle V Local V Do Nothing V V		16	None 💌	Key Press 🔻		Local 🗸	Redundant Toggle		Local 🗸	Do Nothing 💉	
18 None V Key Press V V Local V Main-Backup Toggle V Local V Do Nothing V V		17	None 💌	Key Press 🔻		Local 🗸	Select Main Select Backup		Local 🗸	Do Nothing 💉	
		18	None 💌	Key Press 💌		Local 🗸	Main-Backup Toggle		Local	Do Nothing 💉	

On an Event Action Table line, select an EVENT IN on the left side of the table and then select an ACTION on the right side. Some events only support ON ACTIONS, so the OFF ACTION entries will be grayed out. There are 64 lines in the Event Action Table.

One EVENT IN can trigger more than one ACTION. Select the same EVENT IN on multiple lines and then select an ON or OFF ACTION on each line.

E V E	Source	None (Disable line) Local Event
N T	Event Type	Local: Key Press USP key press (execute ON ACTION) or key release (execute OFF ACTION).
I N	Event	Key Number 1 – 16 (USP-16) Key Number 1 – 8 (USP-8)

	Local /	Execute Action on Local resource
	Remote	Execute Action on Remote Device
O N A C T I	Туре	Local: Redundant On : Turn on redundant operation to control and tally both Main and Backup GTP-32/DC20 Redundant Off: Turn off redundant operation and control and tally only Main or Backup GTP-32/DC20 Redundant Toggle: Toggle between On and Off on each Event In Select Main: When Redundant is OFF, control and tally only Main GTP-32/DC20 Select Backup: When Redundant is OFF, control and tally only Backup GTP-32/DC20
N		Main / Backup Toggle: Toggle between control & tally of Main or Backup GTP- 32/DC20 when Redundant is OFF
		Remote: GTP-32/ DC20
		I ransmit key press or key Release message using Event In Key number.
	Action Label	Not Used

	Local /	Execute Action on Local resource					
	Remote	Execute Action on Remote Device					
		Local:					
ο		Redundant On : Turn on redundant operation to control and tally both Main and Backup GTP-32/DC20					
F F		Redundant Off: Turn off redundant operation and control and tally only Main or Backup GTP-32/DC20					
		Redundant Toggle: Toggle between On and Off on each Event In					
A C T	Туре	Select Main: When Redundant is OFF, control and tally only Main GTP-32/DC20 Select Backup: When Redundant is OFF, control and tally only Backup GTP-32/DC20					
O N		Main / Backup Toggle: Toggle between control & tally of Main or Backup GTP- 32/DC20 when Redundant is OFF					
		Remote: GTP-32/ DC20					
		Transmit Key Press or Key Release message using Event In Key number.					
	Action Label	Not Used					

4. TALLY ASSIGNMENT Configuration Web Page

	-RDC	Uni	t Label					D ₂	
Home					Save				
	Manual	Tally Deep	Tolly Frances	Telle	TALLY ASSIGNMENT	S Taud	Front Class	Format Laborat	htation
Assignment	Noy #	Tasy Type	Telly addres	Main Err	Duk y	CONMERC	Hand T	- Event Label	Value
				Backup Ent	Dat	Larin Lon	Small hit		-
Event Action Table				Mismatch Err:	Red Red		Dig.		U
	- 40	(a.c.)		OFF:	Breen Anber	NET BREAK	Small Mi	ET_METBRK_DFF	0.00
Tally Assignment	1	BITP-32	Estended follow GTP/DE	ET1:	Rashing Red Binling Red	MET BREAK	Srud 💌	ET_METERK_ON	1
Bond One of Links and State		Local	Follow GTP/DC User Register	ET2:	Rashing Green Binking Green		Small M		0
Log Out		Remote Device 2		ET3:	Rashing Anbei Bioling Abber		Normal 💓		4-11
		Rences Device 4		ET4:	DIW COLORS		Normal (M)		
System				Main Etr:	Geen-Oin	DOMM ERR	Mostal 🛩		1 H
Configuration				Backup Err:	Bashing Red. Dim	C.	Normal (W		n 1
S				Mismatch Err:	Bashing Brean-Dim		Normal 💓		- 1 - T
	2	678.32	Estandard Estans (CERD)	ÓFF:	Rephing Geeen-Dim Rephing Amber-Dim	NET SHIPE	Send M	ET_NETSNIPE_OFF	6
		diff the	Charles and reacting of the	ET1:	Red 💌	NET SNIFE	Norsal 🔗	ET_NETSNIPE_ON	11
				ET2:	Cuel: V	-	Mornal (W)		15 J
				ET3:	Daé 💉		Mosraal 🦉		11
				ET4:	Dek. W		Normal M		10 2.1
				OFF:	Goean 💌	QN	Hornal 📯		1
				ON:	Red	DFF	Mornal (M)		1
					- Task 14		Note -		-
	3	Local 😽	Follow Key		Come St.	NU UNPE	I Denil M	ET ICTION OFF	1 11
			Patient Key	-	2	101 2014	Chicage Market	117 NETTING 201	-
			Redundary OF	-	24		and the second second		
			Badup Selected		1		There a		-

Use the Tally Assignment Table to assign a tally to a key. The Tally Assignment Table contains one entry for each key. A key can tally OFF and up to 4 extended tally states (OFF, ET1, ET2, ET3, ET4).

Key Number	The USF	The USP keys number.						
Tally Type	Local- T	ally local GPI, GPO, or key press						
	Remote-	Tally status from Remote Device (GTP-32/DC20 Device Type)						
Tally Source	Local	Follow Key- Tally is ON when key is pressed Tally is OFF when key is released						
		Redundant On- Tally is ON when Redundant Mode is on Tally is OFF when Redundant Mode is off						
		Redundant Off- Tally is ON when Redundant Mode is off Tally is OFF when Redundant Mode is on						
		Main Selected- Tally is ON when Redundant Mode is off and Main is selected Tally is OFF when Redundant Mode is on or Backup is selected						
		Backup Selected- Tally is ON when Redundant Mode is off and Backup is selected Tally is OFF when Redundant Mode is on or Main is selected						

	Remote Follow GTP/DC – Tally Event Labels from GTP/DC	
	Extended Follow GTP/DC- Tally Extended Tally(ET) Event Labels from GTP/DC	
	Tally is ON when any of the assigned Event Labels is ON	
	The associated Event Label's text and color entry is used	
	Tally is OFF when assigned Event Label is ON or all assigned Event Labels are OFF	
	Follow GTP/DC User Register- Tally User Registers and their values from GTP/D	С
Tally	Main Err: Text and color displayed when Main remote device (Main Backup Pair) or assigned remote device (not Main Backup Pair) goes offline	
	Backup Err: Color displayed when Backup remote device (Main Backup Pair) goes offline	
	Mismatch Err: For Main Backup Pair only. Color displayed when Main and Backup tally do not match	
	OFF: (ET only) Text and color displayed when assigned OFF Event Label is received or al assigned Event Labels are OFF	11
	ET1, ET2, ET3, ET4: Text and color displayed when assigned Event Label is received	
Tally Color	Dark	
	Red	
	Green	
	Amber	ļ
	Flashing Red	ļ
	Blinking Red	ļ
	Flashing Green	
	Blinking Green	
	Flashing Amber	
	Blinking Amber	
Font Size	Big: 1 row of 3 characters	
	Normal: 2 rows of 4 characters each	
	Small: 3 rows of 6 characters each	
Event Label	Manually enter, or cut & paste, the Event Label from the GTP-32's or DC20's Event Notification Table. The event label is case sensitive, may not contain spaces, and must exactly match the Event Notification Table entry. (Refer to the GTP-32 or DC20 User Manual.)	
Value	For Follow GTP/DC User Register only. Enter User Register value to match.	

5. REAR PANEL CONNECTORS



Physical size: 19" W x 6.25" D x 1.75" H

LOCKING POWER CONNECTOR ETHERNET CONNECTOR

S1 SWITCH

RESET SWITCH

12V DC, 2.0Amps 10baseT Half Duplex Press and hold 10 seconds to reset: IP address to 192.168.10.217 Configuration to default Reset USP

6. DNF CONTROLS LIMITED WARRANTY

DNF Controls warrants its product to be free from defects in material and workmanship for a period of one (1) year from the date of sale to the original purchaser from DNF Controls. In order to enforce the rights under this warranty, the customer must first contact DNF's Customer Support Department to afford the opportunity of identifying and fixing the problem without sending the unit in for repair. If DNF's Customer Support Department cannot fix the problem, the customer will be issued a Returned Merchandise Authorization number (RMA). The customer will then ship the defective product prepaid to DNF Controls with the RMA number clearly indicated on the customer's shipping document.

The merchandise is to be shipped to:

DNF Controls 19770 Bahama St. Northridge, CA 91324 USA

Failure to obtain a proper RMA number prior to returning the product may result in the return not being accepted, or in a charge for the required repair. DNF Controls, at its option, will repair or replace the defective unit. DNF Controls will return the unit prepaid to the customer. The method of shipment is at the discretion of DNF Controls, principally UPS Ground for shipments within the United States of America. Shipments to international customers will be sent via air. Should a customer require the product to be returned in a more expeditious manner, the return shipment will be billed to their freight account.

This warranty will be considered null and void if accident, misuse, abuse, improper line voltage, fire, water, lightning or other acts of God damaged the product. All repair parts are to be supplied by DNF Controls, either directly or through its authorized dealer network. Similarly, any repair work not performed by either DNF Controls or its authorized dealer may void the warranty.

After the warranty period has expired, DNF Controls offers repair services at prices listed in the DNF Controls Price List. DNF Controls reserves the right to refuse repair of any unit outside the warranty period that is deemed non-repairable.

DNF Controls shall not be liable for direct, indirect, incidental, consequential or other types of damage resulting from the use of the product.