

ADDENDUM TO OWNERS MANUAL

DS30/RPC-21

This addendum to the RPC Owner's Manual describes the basic operation of the RPC-21 power management unit and the DS30 driver. Menus displayed are indicative of menus the user may see while operating the system. The DS30 is installed in a DS9-IPC unit and is connected to the RPC-21 via a standard male/female, 25 pin serial cable (not included). The RPC-21 power management unit defaults to the normally closed position, continuing to route power to the attached equipment in the event of loss of input from the DS30 driver. Since many of the functions used by the DS30 driver are standard for other RPC units, they will be referenced by the page number in the manual. Functions unique to this unit will be discussed in detail.

Typically, the DS9-IPC will have a DS72 and four (4) DS30s installed. The DS30s are calibrated at the factory. The user may change other options to meet their needs. Initial startup will display the following menu.

```
Data Switch Series - I.2.04   (C) 1999 Bay Technical Associates
Unit ID: DS72
```

```
Module: 1
Attention Character: ;

DS30           .....1
DS30           .....2
DS30           .....3
DS30           .....4
Configure.....C
Status.....S
I/O Modules Reset.....RM
Unit Reset.....RU
Exit.....X
Logout.....T
```

Enter Request : █

Type "c" and ρ to access the configuration menu.

```
Enter Request : c

Configuration
DS72           .....1
DS30           .....2
DS30           .....3
DS30           .....4
DS30           .....5
Exit.....X,CR
```

Enter Request :

Type the number of the module you wish to configure and ρ .

```
Enter Request :2

DS30 Series
(C) 1999 by BayTech
F0.09
```

Option(s) Installed:
True RMS Current

```
1)...Manage Users _____> Page 52
2)...Change Outlet Name _____> Page 51
3)...Enable/Disable Confirmation _____> Page 51
4)...Enable/Disable Status Menu _____> Page 49
5)...Change Unit ID _____> Page 51
6)...Change Alarm Threshold _____>
X)...Exit _____>
```

Enter Request:

The "Manage Users function allows the Administrator (Admin) to add or delete users and assign them selected outlets to control. Up to twelve (12) users may be added in addition to the Admin user. Any of the users may be deleted with the exception of the Admin user. The following screens show a progression for adding a user and assigning outlets.

Enter Request: 1

User	Assigned Outlets
	1 11 21 31 41 51 61 71 81 91101111121

- A)...Add User
- D)...Delete User

Enter user number to assign outlets, A or D.

Enter Request: a

Enter user name: BayTech

User	Assigned Outlets
1)...BayTech	1 NI NI NI NI NI NI NI NI NI NI NI NI

- A)...Add User
- D)...Delete User

Enter user number to assign outlets, A or D.

Enter Request: 1

User	Assigned Outlets
BayTech	1 NI NI NI NI NI NI NI NI NI NI NI NI

- 1)...Add Outlet(s)
- 2)...Remove Outlet(s)
- 3)...Add All Outlets
- 4)...Remove All Outlets

Enter Request: 3

User	Assigned Outlets
BayTech	1 Y1 Y1 Y1 Y1 Y1 Y1 Y1 Y1 Y1 Y1

- 1)...Add Outlet(s)
- 2)...Remove Outlet(s)
- 3)...Add All Outlets
- 4)...Remove All Outlets

Enter Request:

Use the attention character (default is ;;;;) to access the main menu and type the number of the module you wish to control and **p**. The following menu will appear.

```
DS30 Series
(C) 1999 by BayTech
F0.09

Option(s) Installed:
True RMS Current

True RMS Current: 0.0 Amps
Maximum Detected: 0.0 Amps

Circuit Breaker: Off

1)...Outlet 1 : On
2)...Outlet 2 : On
3)...Outlet 3 : On
4)...Outlet 4 : On
5)...Outlet 5 : On
6)...Outlet 6 : On
7)...Outlet 7 : On
8)...Outlet 8 : On
9)...Outlet 9 : On
10)...Outlet 10 : On
11)...Outlet 11 : On
12)...Outlet 12 : On

Type "help" for a list of commands

DS-RPC/help

On n (<r>) --Turn on an outlet, n=0,1...12,all
Off n (<r>) --Turn off an outlet, n=0,1...12,all
Reboot n (<r>) --Reboot an outlet, n=0,1...12,all
Config (<r>) --Enter configuration mode
Lock n (<r>) --Locks outlet(s) state, n=0,1...12,all
Unlock n (<r>) --Unlock outlet(s) state, n=0,1...12,all
Current (<r>) --Read the current
Clear (<r>) --Reset the maximum detected current
Menu --Return to DS-series selection menu
Exit --Return to DS-series selection menu
Whoami --Displays the current user name
Unitid --Displays the unit ID
Help (<r>) --This Command

Type "help" for a list of commands

DS-RPC:
```

The "Help" screen is displayed above. This is a list of keyword commands to run the DS30 and control the RPC-21. There are four unique commands listed. "Whoami", "Unitid", "Lock", and "Unlock" are shown in the following menu screens.

```
DS-RPC>whoami
Current User: Admin

Type "help" for a list of commands

DS-RPC>unitid

Type "help" for a list of commands

DS-RPC>
```

```

DS-RPC>lock 2,4,6,8,10,12
Lock Outlets (Y/N)? y

True RMS Current: 0.0 Amps
Maximum Detected: 0.0 Amps

Circuit Breaker: Off

1)...Outlet 1      : On
2)...Outlet 2      : On  Locked
3)...Outlet 3      : On
4)...Outlet 4      : On  Locked
5)...Outlet 5      : On
6)...Outlet 6      : On  Locked
7)...Outlet 7      : On
8)...Outlet 8      : On  Locked
9)...Outlet 9      : On
10)...Outlet 10    : On  Locked
11)...Outlet 11    : On
12)...Outlet 12    : On  Locked

Type "Help" for a list of commands
DS-RPC>off
Turn Off All Outlets (Y/N)? y

True RMS Current: 0.0 Amps
Maximum Detected: 0.0 Amps

Circuit Breaker: Off

1)...Outlet 1      : Off
2)...Outlet 2      : On  Locked
3)...Outlet 3      : Off
4)...Outlet 4      : On  Locked
5)...Outlet 5      : Off
6)...Outlet 6      : On  Locked
7)...Outlet 7      : Off
8)...Outlet 8      : On  Locked
9)...Outlet 9      : Off
10)...Outlet 10    : On  Locked
11)...Outlet 11    : Off
12)...Outlet 12    : On  Locked

Type "Help" for a list of commands
DS-RPC>

```

The lock/unlock commands can be used for any switch, any combination of switches, or for all switches. This added level of security protects accidental changes of state in the receptacle status.

Unit operation is similar to other RPC units. The on/off/reboot commands may be used for any individual switch, combination of switches, or for all switches.

The config command is the same as in the main menu and upon completion of configuration, the user is returned to the main menu.

In addition to this method of return to the main menu, there are three other methods...the exit/menu/attention character commands will also return the user to the main menu.

These commands and added instructions for the use of the DS30/RPC-21 power management system should allow the user to access, change and operate the unit with no difficulty.