

Orbit Outstation 2 Commissioning Guide



Part Numbers: **PR0340**
 PR0341
 PR0342
 PR0343



Ensure that all power is
switched off before
installing or maintaining
this product

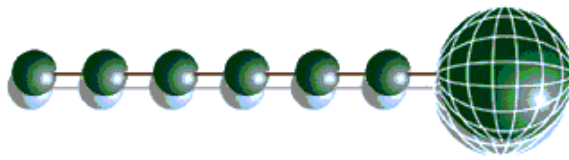


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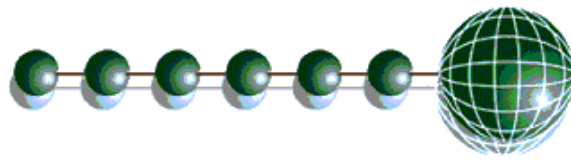
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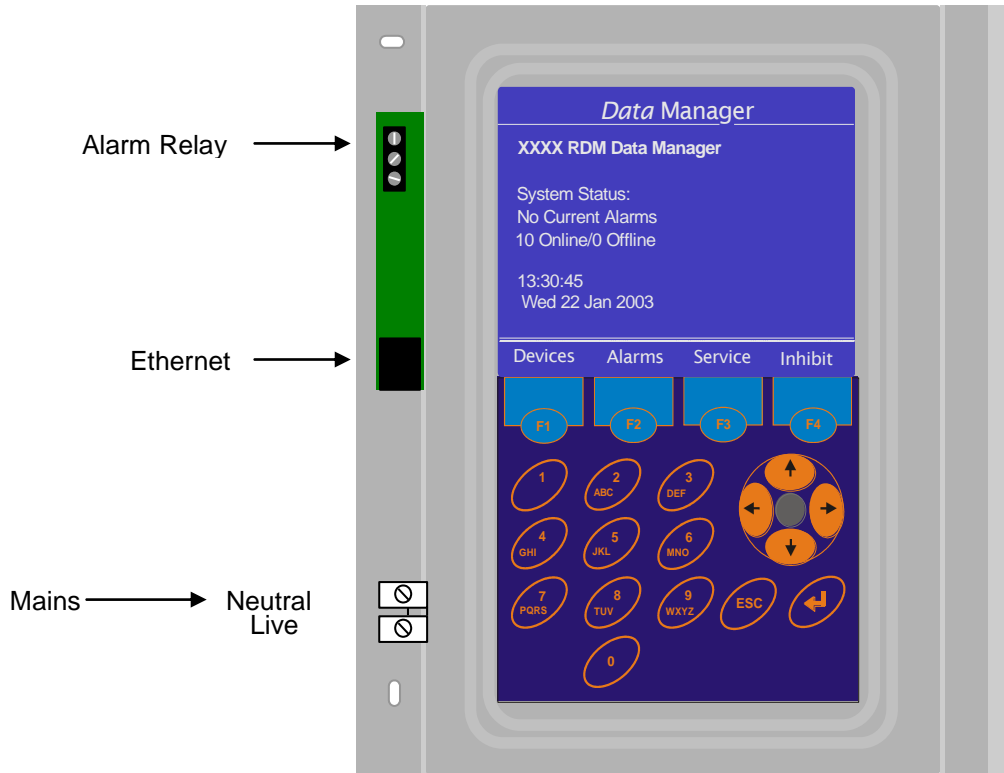
Network..... 11



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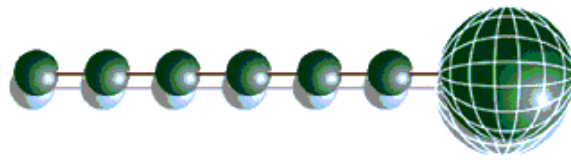
Installation



Orbit Outstation 2 connections, shown above

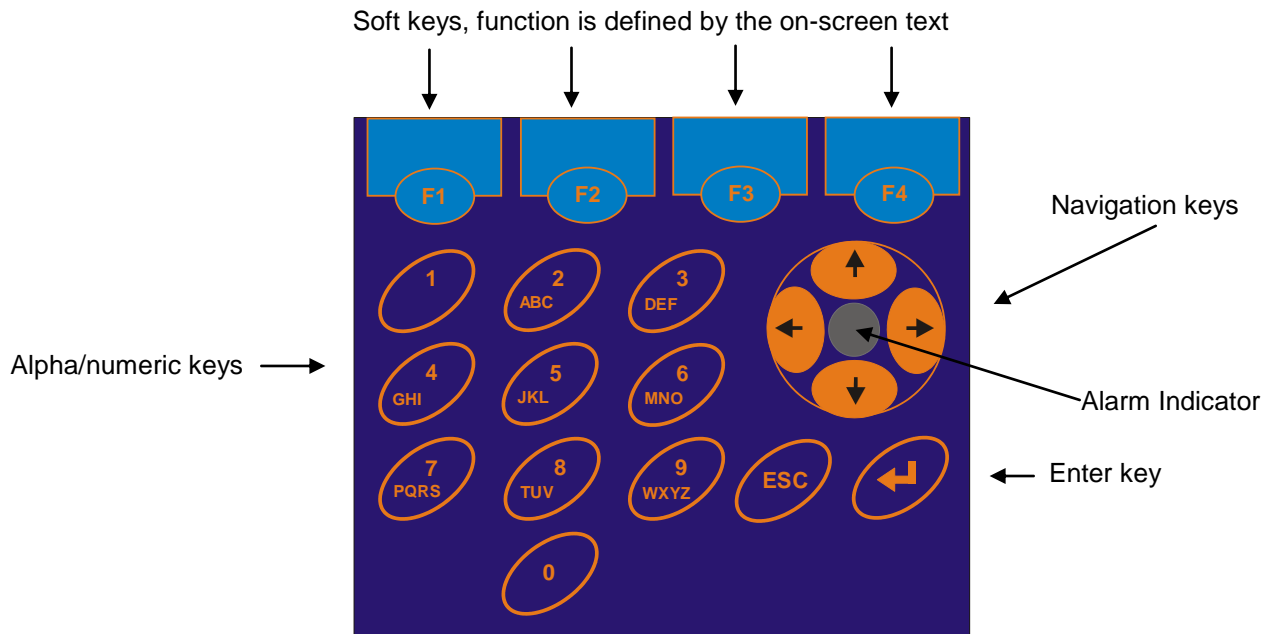


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In Store Use

Using the Keypad



General Keypad Operations.

The navigation keys (up, down, left & right) are used to move the cursor around the screen. Once on the desired text, press enter.

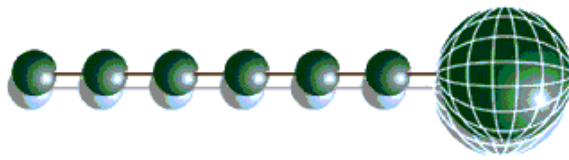
Follow the functions defined on the lower part of the screen adjacent to the F1 - F4 keys. The operation of these keys will vary according to which screen is active.

When text is required, the alpha/numeric keys operate in a similar manner to a mobile phone keypad, pressing the key cycles round the text and number for that key. There is a soft-key function to change between upper and lower case letters.

The escape "ESC" key can be used to quit a function before execution. It is also the back page key.



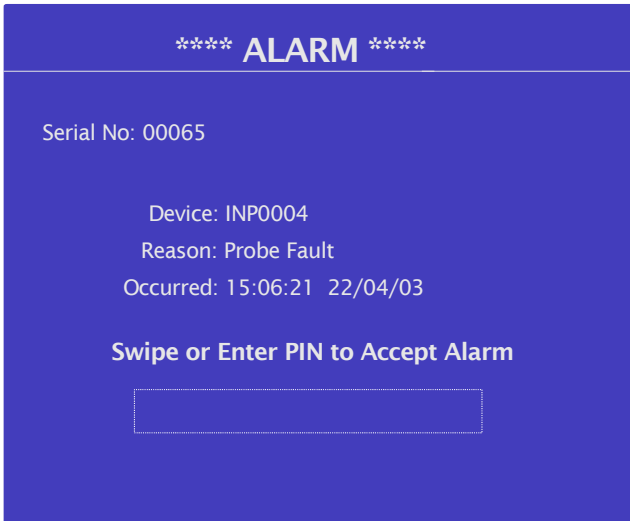
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Accepting Alarms

When an alarm occurs, the Orbit Outstation will display the alarm on the screen. The alarm buzzer will sound and the light in the centre or the navigation keys will flash red.

To accept the alarm, enter an appropriate Pass-code (PIN) and press enter or press "Mute" if the system has been configured for no PIN. The alarm buzzer will stop, the indicator will display static red and the screen will revert to the screen prior to the alarm. Once all alarms are clear, the indicator will display static green

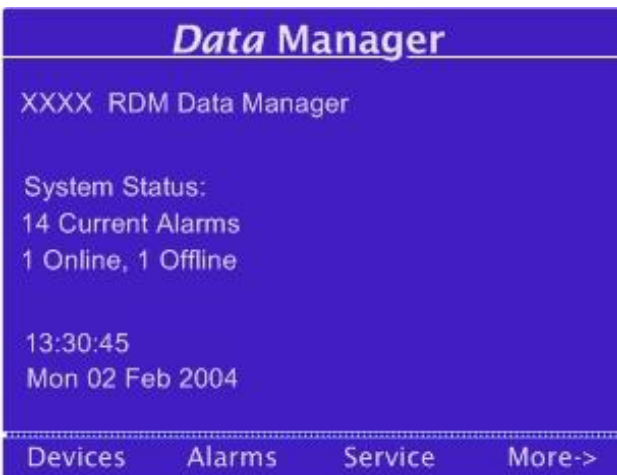


Typical alarm screen when using PIN's to accept.



Typical alarm screen when not using PIN's to accept

Operations from the "Home" screen



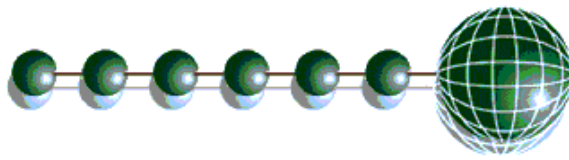
From the Home screen the following can be accessed: -

- Devices
- Alarms
- Service
- More

Use more to access Inhibit and GP Run-On features



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Viewing Alarms

From the Home screen, press the softkey "Alarms"

Current Alarms			
Serial	Device	Reason	Occurred
00026	INP001	Probe Fault	01:46 26/01
00025	INP012	Probe Fault	01:46 26/01
00024	INP011	Probe Fault	01:46 26/01
00023	INP010	Probe Fault	01:46 26/01
00022	INP009	Probe Fault	01:46 26/01
00021	INP008	Probe Fault	01:46 26/01
00020	INP007	Probe Fault	01:46 26/01
00019	INP006	Probe Fault	01:46 26/01
00018	INP005	Probe Fault	01:46 26/01

Home	Old	Pg Up	Pg Dn

Current Alarms

Current alarms are shown in tabular form with their serial number, device, reason and occurred time. The list is in reverse chronological order.

To view further information on a specific alarm, move the cursor over the alarm serial number and press "Enter"

Old Alarms

Old alarms can be seen in a similar manner by pressing the softkey "Old"

Alarm Detail
Serial No: 00026
Device: INP001
Reason: Probe Fault
Occurred: 01:46:11 26/01/04
Accepted: 01:46:11 26/01/04 by Mute
Actions Taken: Relay 1, Modem 1, Front Panel

Back

Alarm Detail

Individual current or old alarm detail screens give more information on the alarm.

Viewing Data

From the "Home" screen, press the softkey "Devices"

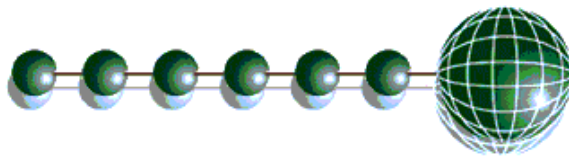
Devices			
Device	Description	Value	State
NJ0001	Monitor - 6 channel		Inhibit
INP001	Dairy Cabinet 1	2.4	Normal
INP002	Dairy Cabinet 2	1.9	Normal
INP003	Frozen Food Cabinet 1	-18	Normal
INP004	Frozen Food Cabinet 2	-10	Alarm
INP005	Frozen Food Cabinet 3	-19.5	Normal
INP006	Produce Cabinet 1	5.4	Normal
INP007	Produce Cabinet 2	6.0	Normal

Home	Reports	Pg Up	Pg Dn

Devices are listed in tabular form, to view the information for a device, move the cursor to the device and press "Enter"



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Device Information

NJ0001 Monitor - 6 channel			
	Name	Value	Units
Inputs	Probe 1	-1.1	C
	Probe 1	-1.1	C
	Probe 1	-1.1	C
	Probe 1	-1.1	C
	Probe 1	-1.1	C
	Probe 1	-1.1	C
Params	Chan 1 Test	On	
	Chan 2 Test	On	

Back Alarms Set Log

The device information is shown in tabular form on this screen, use the navigation keys to see more data.

From this screen, you can choose to view alarms relating to the device, set parameters for the device or see the device logs.

View Logged data

NJ0001 Monitor - 6 channel	
Period:	24 Hours
Start Time	01:08
Start Date	01/02/04
Graph Trace	Probe 1

Back Table Graph

With the cursor over Period, press "Enter" Key in the required period.

Move the cursor to "Start Time" and press "Enter" Key in the required start time.

Move the cursor to "Start Date" and press "Enter" Key in the required start date.

Move the cursor to "Graph Trace" and press "Enter" Select the item to graph.

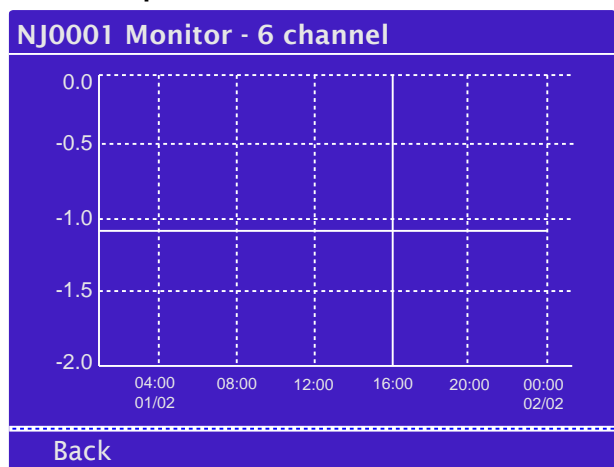
Press either "Table" or "Graph" to view the data.

Data in Tabular form

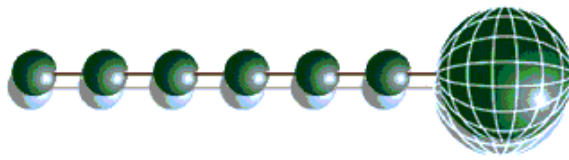
NJ0001 Monitor - 6 channel					
	01/02 01:15	01:30	01:45	02:00	02:15
Probe 1	-1.1	-1.1	-1.1	-1.1	-1.1
Probe 2	0.5	0.5	0.5	0.5	0.5
Probe 3	0.6	0.6	0.6	0.6	0.6
Probe 4	0.8	0.9	0.9	0.9	0.8
Probe 5	0.2	0.2	0.2	0.3	0.2
Probe 6	-0.4	-0.4	-0.4	-0.4	-0.4

Back

Data in Graph form



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Reports

From the Devices page select Reports.

Site Reports

Report Type Count of alarms by controller

Out Of Hours Off

Normal Hours 06:00
to 20:00

Select Period Last Month

Back Report

Highlight “Type” and select the type of report to be created.

Select whether the report generated is used with data gathered out with “Normal Hours”.

Highlight “Normal Hours” and enter appropriate times e.g. Store opening hours.

Select “Period” and define the required period from the possible options listed. The past 24 hours, week, 2 weeks or month. It is also possible to select a specific period from which the data is gathered.

Count of alarms by controller

Controller	Description	Count
System		40
RC74-1	Diary Cabinet 1	24
RC74-2	Diary Cabinet 2	33
RC74-3	Frozen Cabinet 1	16
RC74-4	Frozen Cabinet 2	41
RC74-5	Produce Cabinet 1	28
RC74-6	Produce Cabinet 2	35

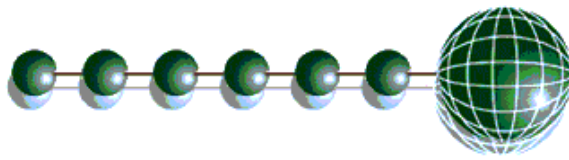
Back

Press “Report” to view the data.

As shown in this example the number of alarms generated in the past month by each controller is highlighted.



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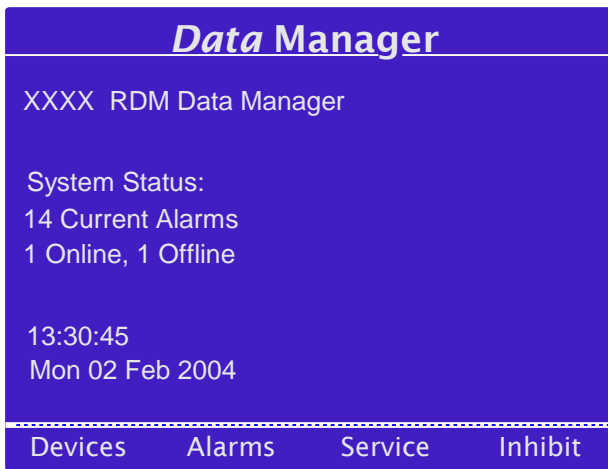
Inhibits

Inhibits are used to prevent alarms from controllers that are intentionally switched off for a duration. Inhibits can be set to : -

- Short
- Long
- Online

The defined periods for short and long inhibits are setup during commissioning.

Online keeps the device in inhibit until the next time it is switched on and comes online.



At the Home screen, press Inhibit.

(Swipe card or enter "PIN" to access this feature)

Alarm Inhibits			
Device	Description	Mode	Network
NJ0001	Monitor - 6 channel	Inhibit	Online
INP001	Dairy Cabinet 1		Online
INP002	Dairy Cabinet 2		Online
INP003	Frozen Food Cabinet 1	Pending	Online
INP004	Frozen Food Cabinet 2		Online
INP005	Frozen Food Cabinet 3		Online
INP006	Produce Cabinet 1		Online
INP007	Produce Cabinet 2		Online

Home Short Long Online

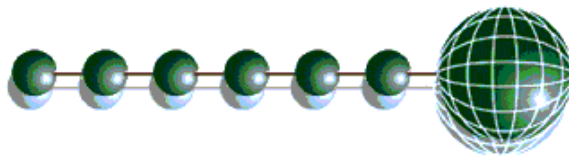
Select the device to inhibit, and press either Short, Long or Online. If Short or Long is selected, the mode will come on as "Inhibit".

If Online is selected, the mode will come on as "Pending" until that controller goes offline. Then the mode indicates "Inhibit" until the controller comes back online.

Note. If the case is not switched off before the Offline delay + 15 minutes has elapsed, this online inhibit action will be cancelled.



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GP Timer Run-On

This feature allows General Purpose timer channels to have run-on hours added

From the home screen, press more, then Run-On

GP Timer Channel Run-On			
Ch	Description	State	Mask
1	Store Opening Times	Off	

Back Run-On Pg Up Pg Dn

Select the channel and press: - Run-On

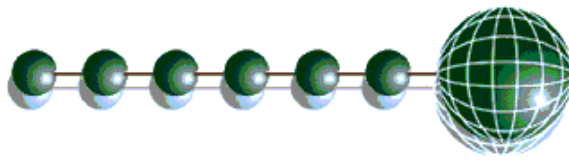
GP Timer Channel 1		
1	Duration	120
	Finish	22:00
<p>- If timer channel is off, the set button will turn the channel on for the given duration</p> <p>- If timer channel is on, the set button will extend the on cycle of the channel for the given period</p> <p>- The clear button will cancel the Run-On</p>		

Back Set Clear

Press "Set" and key in the desired Run-On period; the new finish time will be displayed.

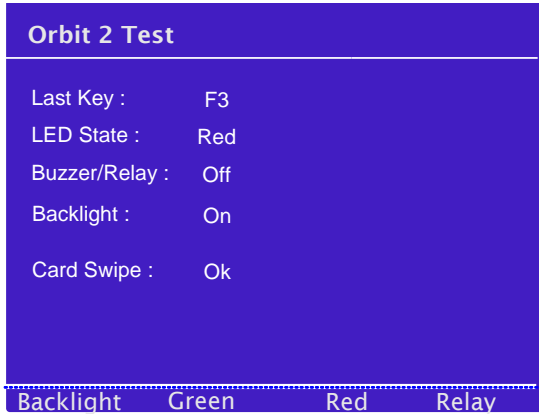


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Test Mode

To enter test mode press and hold down any key, except the arrow keys, on start up. The test screen is shown below: -

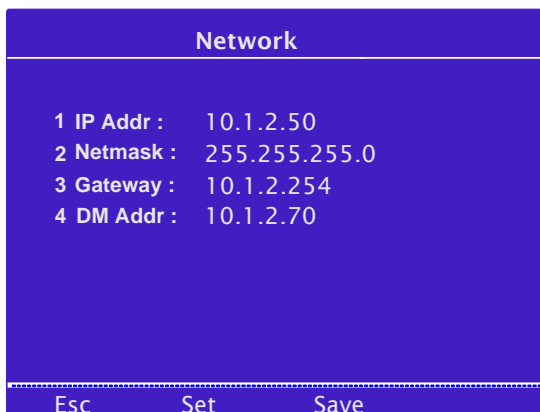


Last Key : Last button press is displayed. Used to confirm operation of all buttons
 LED State : Use F2 or F3 to turn the Green and Red LED's off/on.
 Buzzer/Relay : F4 is used to test the buzzer and relay output operation.
 Backlight : Press F1 to turn the backlight off/on.
 Card Swipe : If a card swipe unit is fitted swipe a known working card to confirm the operation of the swipe unit.

To exit Test mode and resume normal operation press the "ESC" key twice.

Network

To enter the Network screen press and hold down any of the arrow keys on start up. Note if the Orbit is connected to a Data Manager which has its DHCP server enabled and the Orbit is on the Data Managers LAN and Subnet then this feature is not required. The Network screen is shown below: -



On the Data Manager keypad press the corresponding number for the option you wish to edit, press set when complete. Press the Save button, once all four options are configured, to save the Network configuration. Press Esc to instruct the Orbit to connect with the Data Manager. To remove the static IP address and return to DHCP operation set the Orbits IP Addr field to 0.0.0.0

