

O-SERIES WASHER & DRYER REPORTING



O-Series washers and dryers record detailed information for the past 300 cycles. This information can be downloaded and analyzed with the Dexter Total Control Excel reporting template using the following instructions.

AT THE CONTROL

Step 1: Enter Management View & Passcode

To enter Management View, press up once when at the Ready screen and select the green button. You will be prompted to enter the passcode. The default passcode is 0000.

Step 2: Download Cycle and Error Log

Insert a USB and scroll to the Download Cycle and Error Log prompt. Press the green button and the control will download the information. The O-Series controls can populate the file with information from more than one machine. Repeat this step for all the machines you want to review. The file will be named for the first machine data downloaded (i.e., Dexter OPL Washer Log Export.csv or Dexter OPL Dryer Log Export.csv).

Note: The control will download all information into the same file. It will NOT overwrite old data. Therefore, it is important that the USB used does not have an existing file with old data since it will result in duplicated information.

Ready	Select cycle
	Minutes
Management View	
1 - White Towels	34
2 - Color Towels	23
3 - White Sheets	32

Programming Mode
▲
Edit Cycles
Cycle Log
Error Code Log
Download Cycle & Error Log
Import User Data
▼

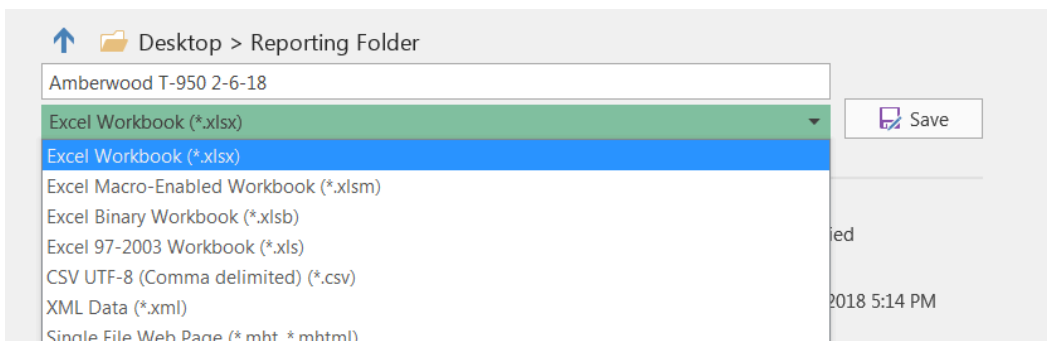
AT A COMPUTER

Step 1: Upload data and report template to dedicated folder

Create a dedicated folder that includes both the data and the report template. Make sure no other files are included within that folder, only the report and the data.

Step 2: Convert data from .csv to .xlsx

Open the data file. The data is a .csv format, most computers will automatically open with Excel software. Simply save as an Excel Workbook (.xlsx) format. The report template requires only one file to be in each folder. After converting from .csv to .xlsx, make sure to **delete** the .csv file or move to another folder.



Step 3: Open Report Template and Import Data

Open the report Total Control Report template. Because of the macros included in the template, Excel may ask to enable content or to make this a trusted document. Select yes.

1. Select the tab titled "Input_Selection".
2. In the upper right corner, click on the button "Import Data".

The data is now uploaded and available for analysis.

Note: The import process may take a while depending on the number of cycles and model information being uploaded.

DATA ANALYSIS

Input Selection Tab

The Input Selection tab provides a summary of all the data and allows you to select a subset of the data.

1. **User Input Header:** The title of the report can be customized.
2. **Dates:**
 - a. **Earliest / Latest date in data set:** This is a reference for the dates that are available in the data
 - b. **Selected Start / End date:** This allows you to select a specific time period for analysis
3. **Data Summary:** These numbers will stay the same, regardless of the selections (i.e., changing dates or models)
 - a. **Total # of Cycles in Data Set = XX:** This is the total number of cycles available
 - b. **Avg Hours Between Cycles = XX:** This is the average hours between start of cycles
 - c. **Number of days in Data Set = XX:** This is the number of days available
 - d. **Average Cycles/Day = XX:** This is the average number of cycles per day
4. **Model Selection:** If your data contains different models, this selection allows you to view only specific models (i.e., T-950) or types (i.e., all washers). It also displays the total cycle count for those specific models.

- DexterLive IDs:** If your data contains multiple models of the same type, you will need to reference the DexterLive ID to limit reporting to a specific model. The DexterLive ID can be found on the control in the management view.

Cycle Report

The cycle report displays a summary of all the cycles within the selected date range and model type. You can navigate to the Cycle Report by selecting that tab or selecting Cycle Report on the Input Selection tab.

3 Model(s) Selected on Input Worksheet		1 Cycles For Selected Models	2 Number of Cycles	3 Date Range: From: 1/1/2017 To: 2/20/2018		4 Lag Time		5 Idle Time		6 Total Cycles (without errors) 301	
			Actual Cycle Time		Lag Time		Idle Time		Down Time		
			Average	Maximum	Average	Maximum	Average	Maximum	Average	Maximum	
T-950		White Sheets	65	00:00:40:12	00:00:54:37	00:00:10:06	00:01:00:01	00:01:48:36	00:18:25:40	00:01:58:41	00:18:26:03
		Hot Wash	3	00:00:26:50	00:00:27:13	00:00:41:41	00:01:00:01	00:07:13:40	00:12:25:31	00:07:55:21	00:13:25:31
		White Towels	157	00:00:45:41	00:01:39:35	00:00:07:52	00:01:00:01	00:01:13:13	00:17:49:51	00:01:21:05	00:17:49:51
		Color Sheets	64	00:00:38:58	00:01:07:39	00:00:14:53	00:01:00:01	00:02:32:46	00:12:53:26	00:02:47:40	00:13:53:26
		Self-Clean	1	00:00:20:26	00:00:20:26	00:00:05:11	00:00:05:11	00:00:00:19	00:00:00:19	00:00:05:30	00:00:05:30
		Color Towels	10	00:00:30:58	00:00:34:22	00:00:02:01	00:00:16:39	00:02:01:54	00:15:17:02	00:02:03:55	00:15:17:16
		Blankets	1	00:00:30:51	00:00:30:51	00:00:00:00	00:00:00:00	00:13:03:59	00:13:03:59	00:13:03:59	00:13:03:59

- Cycles for Selected Models:** This displays the cycles that were ran
- Number of Cycles:** This displays the number of times each cycle ran within the selected date range.
- Actual Cycle Time:** This is the total time from when the cycle started to when it completed. In the case of washers, this will include fill and drain times, even if Delay Fill or Delay Spin is ON.
 - Average:** This is the average time for that specific cycle within the date range
 - Maximum:** This is the maximum cycle time for that specific cycle within the date range
- Lag Time:** This is the time from when the cycle is complete to when the door is opened. This can be used to gauge how quickly laundry is being attended to after the cycle is complete.
 - Average:** This is the average time for that specific cycle within the date range
 - Maximum:** This is the maximum time for that specific cycle within the date range
- Idle Time:** This is the time from when the door is opened to when the next cycle starts
 - Average:** This is the average time for that specific cycle within the date range
 - Maximum:** This is the maximum time for that specific cycle within the date range
- Down Time:** This is the time from when the cycle ends to when the next cycle starts
 - Average:** This is the average time for that specific cycle within the date range
 - Maximum:** This is the maximum time for that specific cycle within the date range

Interpreting the Cycle Report

The cycle report can be used to provide a quick snapshot of the types of loads that are being run and how quickly those loads are being attended to. A few tips for analyzing this information:

Actual Cycle Time:

- Monitor pauses:** A large difference between average and maximum cycle time would indicate the cycle was PAUSED mid-cycle.
- Predict maintenance:** Monitor changes to the average cycle time on specific cycles to predict clogged drain or water valves

Lag Time:

- Monitor productivity:** The lag time calculates how quickly a load is being attended to after the cycle is complete. It is a measure of the productivity of the laundry room. For example, a long lag time could mean an employee is attending to other activities instead of the laundry.

Idle Time:

- Determine bottlenecks:** Idle times can provide a view of bottlenecks occurring. For example, a long idle time at a washer may indicate lack of dryer capacity to handle wet loads.

Down Time:

- Track load balance:** For locations with multiple machines, you can compare the total down time between machines to ensure loads are balanced evenly and the machines are operating efficiently.

Shift Report

The shift report provides a view of cycles ran by the day of week and the time of day. Reference the Cycle Report for descriptions of Actual, Lag, Idle, and Down Time.

1. Day: This is the day of the week the cycle was ran
2. Time: By clicking on the + button, you can display the time of day the cycle was started.

		Go to Input Selection		Date Range:	From:	1/1/2017	To:	2/20/2018	Total Cycles	503	
Cycles For		Number of Cycles	Actual Cycle Time		Lag Time		Idle Time		Down Time		
Selected Models by Day			Average	Maximum	Average	Maximum	Average	Maximum	Average	Maximum	
+	1	Monday	85	00:00:23:34	00:00:48:55	00:00:04:03	00:01:00:01	00:00:57:05	00:16:23:31	00:01:01:08	00:16:23:31
+	29	Tuesday	93	00:00:22:26	00:00:49:13	00:00:06:00	00:01:00:01	00:00:37:02	00:08:54:33	00:00:43:03	00:09:54:34
+	54	Wednesday	46	00:00:28:07	00:01:29:25	00:00:09:01	00:01:00:01	00:01:25:46	00:13:03:59	00:01:34:47	00:13:53:26
+	79	Thursday	73	00:00:23:30	00:01:07:39	00:00:06:16	00:01:00:01	00:00:58:48	00:14:43:39	00:01:05:04	00:14:43:40
+	104	Friday	78	00:00:28:52	00:01:04:44	00:00:06:48	00:01:00:00	00:01:00:30	00:17:49:51	00:01:07:18	00:17:49:51
+	129	Saturday	67	00:00:25:44	00:00:49:13	00:00:08:00	00:01:00:01	00:01:11:35	00:15:44:25	00:01:19:35	00:16:07:18
+	154	Sunday	61	00:00:27:01	00:01:39:35	00:00:02:33	00:00:37:00	00:01:31:32	00:18:25:40	00:01:34:05	00:18:26:03
+	179										

		Go to Input Selection		Date Range:	From:	1/1/2017	To:	2/20/2018	Total Cycles	503	
Cycles For		Number of Cycles	Actual Cycle Time		Lag Time		Idle Time		Down Time		
Selected Models by Day			Average	Maximum	Average	Maximum	Average	Maximum	Average	Maximum	
+	4	Monday	85	00:00:23:34	00:00:48:55	00:00:04:03	00:01:00:01	00:00:57:05	00:16:23:31	00:01:01:08	00:16:23:31
+	29	Tuesday	93	00:00:22:26	00:00:49:13	00:00:06:00	00:01:00:01	00:00:37:02	00:08:54:33	00:00:43:03	00:09:54:34
·	30	00	0								
·	31	01	1	00:00:00:00	00:00:00:00	00:00:00:00	00:00:00:00	00:00:00:00	00:00:00:00	00:00:00:00	00:00:00:00
·	32	02	0								
·	33	03	0								
·	34	04	5	00:00:09:13	00:00:46:07	00:00:00:12	00:00:01:01	00:00:00:34	00:00:02:50	00:00:00:46	00:00:03:51
·	35	05	14	00:00:27:23	00:00:48:30	00:00:00:48	00:00:04:25	00:00:04:05	00:00:12:24	00:00:04:53	00:00:12:24
·	36	06	9	00:00:25:54	00:00:49:13	00:00:02:10	00:00:09:20	00:00:07:52	00:00:38:10	00:00:10:02	00:00:40:40
·	37	07	6	00:00:29:41	00:00:46:10	00:00:07:47	00:00:24:14	00:00:20:03	00:01:47:18	00:00:27:50	00:02:11:32
·	38	08	4	00:00:44:15	00:00:46:19	00:00:31:00	00:00:44:27	00:00:27:49	00:00:50:07	00:00:58:49	00:01:22:44
·	39	09	6	00:00:14:28	00:00:44:27	00:00:00:18	00:00:01:46	00:00:12:08	00:01:03:45	00:00:12:25	00:01:05:31
·	40	10	6	00:00:20:58	00:00:42:19	00:00:00:11	00:00:00:49	00:00:03:52	00:00:14:16	00:00:04:02	00:00:14:16
·	41	11	11	00:00:15:16	00:00:44:20	00:00:03:26	00:00:25:13	00:00:09:29	00:00:51:27	00:00:12:55	00:01:02:07
·	42	12	4	00:00:20:58	00:00:44:17	00:00:02:21	00:00:09:23	00:00:10:10	00:00:39:22	00:00:12:31	00:00:39:22
·	43	13	9	00:00:18:41	00:00:45:42	00:00:00:38	00:00:04:24	00:00:08:44	00:01:02:52	00:00:09:21	00:01:02:53
·	44	14	4	00:00:31:14	00:00:44:18	00:00:00:20	00:00:00:36	00:02:23:04	00:03:18:57	00:02:23:24	00:03:19:25
·	45	15	1	00:00:41:30	00:00:41:30	00:00:58:34	00:00:58:34	00:00:02:10	00:00:02:10	00:01:00:44	00:01:00:44
·	46	16	2	00:00:22:36	00:00:45:13	00:00:00:00	00:00:00:00	00:00:24:22	00:00:48:43	00:00:24:22	00:00:48:43
·	47	17	2	00:00:14:02	00:00:28:04	00:00:00:00	00:00:00:00	00:00:25:11	00:00:50:22	00:00:25:11	00:00:50:22
·	48	18	7	00:00:22:21	00:00:41:48	00:00:25:43	00:01:00:01	00:03:48:05	00:08:54:33	00:04:13:48	00:09:54:34
·	49	19	2	00:00:19:45	00:00:39:31	00:00:30:00	00:01:00:00	00:04:06:32	00:08:13:04	00:04:36:32	00:09:13:04

Interpreting the Shift Report

The shift report provides an insight into the efficiency of a laundry room by the day of week or the time of day. This can help balance workforce or could be used as a performance measurement system.

Error Code Report

Mainly used for your service or maintenance team, the error code report shows a quick summary of any registered errors by machine. This can help resolve an issue quickly or to diagnose a minor issue before it becomes a problem.

Date Range:	Go to Input Selection	From:	1/1/2017	To:	2/20/2018	Cycles w/ Errors = 202
3 Model(s) Selected on Input Worksheet	Error Codes For Selected Models		Number of Cycles With This Error	Percent of Total Errors	Number of Models With This Error	Percent of All Models
T-950	SLOW FILL ERROR		4	1.98%	1	100.00%
	EMERGENCY STOP		34	16.83%	1	100.00%