

## Module Information:

**Name:** RBI Motion v1.3

**Author:** Hope Roth

**Summary:** This module saves a nightly capture of the occupied/vacant status of occ sensor digitals. It is designed to either take one snapshot a day, at a scheduled time, or to take snapshot at set intervals. It will keep files for a maximum number of days (as designated by the days\_to\_keep parameter).

## Inputs/Outputs/Parameters:

### Inputs:

tod\$	Time of day serial string. This is required to auto-generate snapshots (as specified by snapshot_hour and snapshot_minute). If this signal is disconnected, the take_snapshot input must be pulsed manually.
take_snapshot	This digital can be pulsed to manually take a snapshot. If the save_multiples parameter is set to no, this signal should be used for debugging purposes only. When loading this module for the first time, this should be pressed manually to ensure that files are saving to the correct location on the processor.
sensor_[xx]_occupied	Should be tied to the (held) occupied feedback from all occupancy sensors (150 total).

### Parameters:

snapshot_hour	The hour of day when the snapshot should be taken (24 hour clock, default is <b>3</b> ).
snapshot_minute	The minute when the snapshot should be taken (default is 0).
days_to_keep	The number of days to store files on the processor. This is capped to preserve space (default is <b>30</b> ).
save_folder	The save location for the files. This module will auto-generate a folder called sensor_logs in this location. The three save options are the USER folder, NVRAM, and removable media (RM).The default is <b>USER</b> .
save_multiples	Whether or not to save multiple files a day. The default is <b>No</b> , in order to avoid accidentally filling the sensor with logs. If <b>Yes</b> is selected, the module will save a file every time take_snapshot is pulsed. Care should be taken to only take snapshots at specific times.