



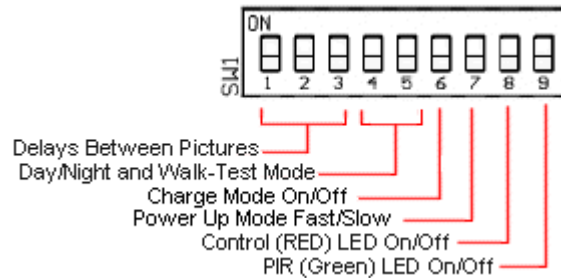
PixController Universal RSP-U User Switch Settings

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The User Control Switch (SW1) will let you customize how the **PixController** Universal board will trigger the digital camera. Here you can adjust the time delay between pictures, operating only at day, night, or 24 hours, setting up a walk-test mode for testing PIR range/area – camera on mode for checking photos and changing camera settings, charge mode to keep the camera settings, power up mode for fast and slower digital cameras, and turning the control board LED's on or off.

Note1: When turning power on to your Universal board both the red and green LED will light up. They will both stay on for 30 seconds. This time will allow the PIR circuit to warm up. After this time expires the green LED will turn off and the red LED will blink 5 times letting you know that the board is entering a 1 minute automatic walk-test phase. At this point you can move around the camera setup and check out the PIR area. Both the green and red LED's will light when motion is detected. After the 1 minute automatic walk-test phase expires the red LED will blink 5 times letting you know the camera system will now become active.

Note2: The RSP-U PIC chip is recommended for turning on/off an external power supply to a digital camera (lens slide cameras such as the Olympus D-380, or D-395).



Modes of Switch Operation

Default Setting



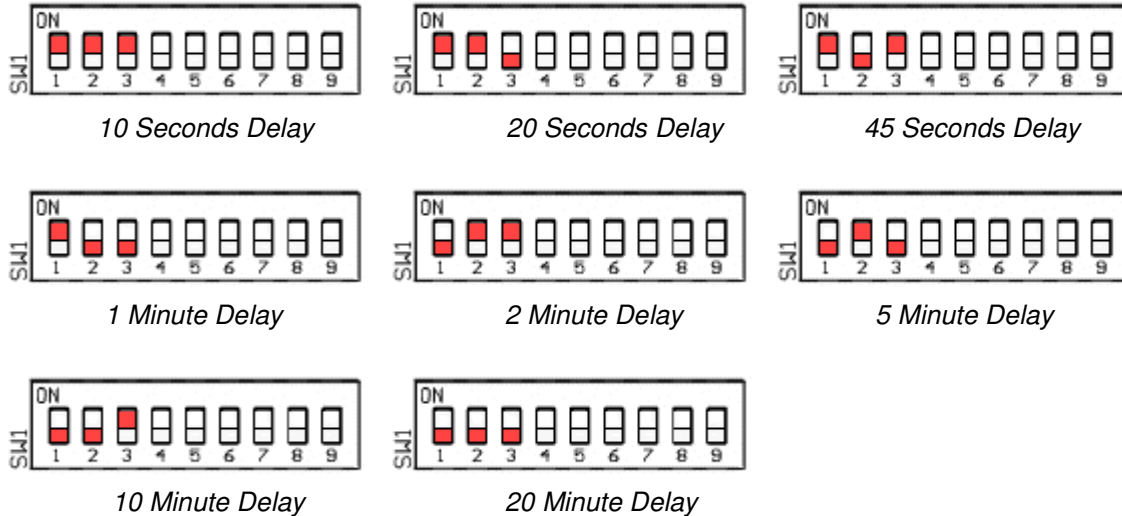
All switches “UP” except switch 9 which is “DOWN”.

10 Second Delay between pictures, 24 Hour Recording, Charging Mode On, Power Up Mode Fast, Control LED On, PIR LED On.

Red indicated the switch position for all graphics below.

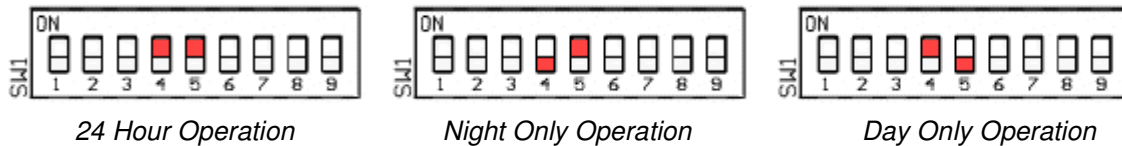
Delays Between Pictures Setting

Switches 1, 2, and 3 control the delays between pictures. Note: Red shows the “UP” position, which is OFF on the PixController Universal board.



Day/Night Operation Settings

Switches 4 and 5 control Daylight, Night Time, and 24 Hour recording or pictures.



PIR Walk-Test Mode/Camera On Mode

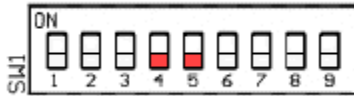
PIR Walk-Test Mode

On boot up of the Universal board this setting will put the unit into a PIR Walk-Test mode. Here you can check out the PIR detection area without having the unit take photos. When booting the Universal board into this mode the RED Control LED and Green PIR LED will stay on for about 30 seconds. This is when the PIR is warming up. After this period of time has expired you are free to walk and test the PIR area.

Note: To put the PixController back into “Photo Taking Mode” change the switch settings of switch 4 and 5 to one of the three options above under the [Day/Night Operation Setting](#), and power the PixController unit Off and On from the external power switch.

Camera On Mode

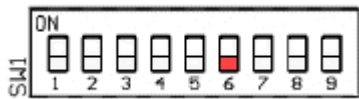
When the controller is booting up the camera power is turned on. When the setting is in this mode the camera will stay on until this setting is changed, and the controller is rebooted. In this mode you can view your photos or make any changes to the camera settings.



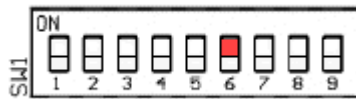
PIR Walk-Test/Camera On Mode

Charge Mode Setting

Switch 6 controls if you have the camera in charge mode or not. In charge mode it will keep the camera settings in place for an Olympus D-370 or D-380 digital camera. After power is removed from either a D-370 or D-380 for more than an hour all camera settings will be lost, including the date. In this mode it will hold your camera settings, but use more camera battery power in doing so.



Charge Mode On



Charge Mode Off

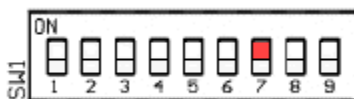
Power Up Mode Setting

Switch 7 will let you adjust the controller camera shutter control to how fast the digital camera will boot up and be ready to take a photo. The Fast mode is matched to the speed of either an Olympus D-360L, D-370, D-380, and D-390 (but not limited to these cameras), and the Slow mode is longer power up delayed cameras (longer than a 5 second power up). Contact our support by email if you need custom settings, support@pixcontroller.com, or order the RSP_V2 PIC chip, which has longer power up delay settings.

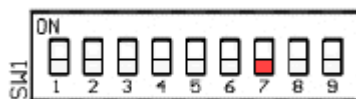
Shutter Time Examples:

- Olympus D-360L ~2.5 Seconds
- Olympus D-370 ~3 Seconds
- Olympus D-380 ~3 Seconds
- Olympus D-390 ~4 Seconds

Note: Shutter times can vary depending on camera charge state.



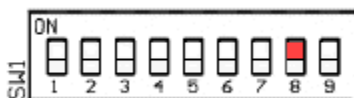
Power Up Mode - Fast



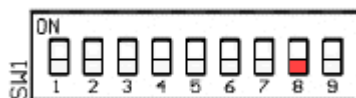
Power Up Mode - Slow

Control LED On/Off Setting

Switch 8 sets if the Control LED (**Red LED**) is to be used or not. Note, the control LED will always be on during the Power-Up Phase, or when in Walk-Test Mode.



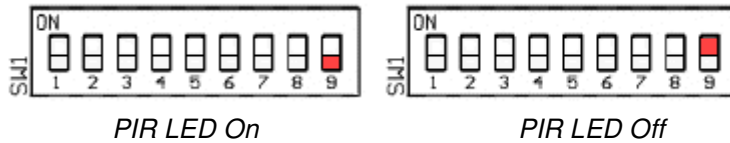
Control LED On



Control LED Off

PIR LED On/Off Setting

Switch 9 sets if the PIR LED (Green LED) is to be used or not.



Note:

When changing switch setting you must re-boot your *PixController* board. When re-booting you must wait approximately 30 seconds before turning power on again. Not doing so can result in the controller not working properly. Symptoms of this are a dim red LED or blinking green LED, or both.

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