PhotoShutter pinout

RESET	PA2	1	20	VCC	
seconds	PD0	2	19	PB7	+30
minutes	PD1	3	18	PB6	+20
shutter 2sec	PA1	4	17	PB5	+10
IR & RELAY	PA0	5	16	PB4	+5
hours	PD2	6	15	PB3	+4
days	PD3	7	14	PB2	+3
+0.25	PD4	8	13	PB1	+2
+0.5	PD5	9	12	PB0	+1
	GND	10	11	PD6	video

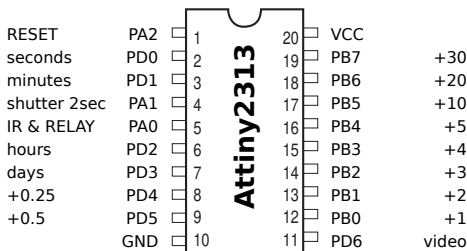Attiny2313

  An **interval** is set with + pins. Let's say you need an interval of 6½ minutes — for this you set +5 pin, +1 pin, +0.5 pin and minutes pin. The units are adding up, so you can have 9 sec delay even though it's not present as a separate pin. Actually, you can form any number from 1 to 75.75 including ¼, ½ and ¾ parts.

  If **no interval or no unit** is set, the device only **plays once**, so if you just need a one button remote — make a power button between pin 20 and VCC. If you also want multiple buttons on a remote ("*shutter*", "*shutter 2 sec*", "*video*", "*shutter once in x sec*", etc) consider using multiswitches to short any combinations of pins at the same time to achieve the desired effect.

  By default the device sends **shutter signal**, and you need to ground "shutter 2 sec" or "*video*" to get the corresponding signals instead. "*shutter once in x sec*" hidden option is also available if both "*shutter 2 sec*" AND "*video*" pins are grounded. This option is using the + pins the same way described before to set the "*x*".

  This device has both electromechanical relay and Sony NEX5 IR support built in and they work simultaneously, but you can choose to connect only one or another, and even comment out the one you don't need in the firmware source.