

Technical Solution's IR Switch provides a relay isolated switch output which can be activated by most infrared environmental control systems. The switch output can be wired in to control intercoms, door openers, or other devices with low voltage switching. Note that the switch output is momentary not latching – the output relay stays operated only while the infrared signal is being received.

The infrared receiver circuit is designed to respond to IR codes from a Gewa PROG, or other infrared Environment Control Unit (ECU). Each of the four switch output relays can be programmed to respond to any PROG button on any PROG Level. ECU's that do not have Gewa PROG codes built in must be 'trained' to learn the codes from a Gewa ECU.

**Setting Up The IR Switch**

1. The IR Switch must be placed in a location where it can receive the infrared signals from the PROG or ECU.
2. Plug the plug pack power supply from the IR Switch into a power outlet.
3. Connect the output lead/s from the IR Switch to the switch input/s of the device/s to be controlled.



Pictured with one switch output

**PROG Codes**

The IR Switch has been programmed to default codes for a Gewa PROG ECU, shown below. These codes are built into the PROG, and will operate "straight out of the box".

If you have recorded other signals into these PROG buttons, you can either record new PROG codes into the IR Switch (P.T.O.) or reset the PROG buttons to their defaults. Please refer to the PROG user's manual. (There is a copy of the [manual](#) on our [web site](#) if you've lost yours.)

<i>GEWA PROG Level</i>	<i>GEWA PROG Key</i>	<i>IR Switch Output</i>	<i>Your Device to be controlled</i>
3	9	Relay 1	
3	*	Relay 2	
3	0	Relay 3	
3	#	Relay 4	

## Recording new PROG codes into the IR Switch

The IR Switch can learn Prog Infra Red codes for each function, and store them in permanent memory.

1. Choose the PROG level and (up to four) keys that you want to use. Make sure these keys have been reset to the default PROG codes, as explained above
2. Choose an area away from direct light to avoid interference to the learning process
3. Plug the IR Switch to the power in the normal way, and using a pen, *press and hold* the recessed button on the back of the unit corresponding to the output that you want to reprogram. (Sometimes it's easier to do this with two people!)
4. Point the PROG towards the front of the interface, and press, for about 2 seconds, the button on the Prog that you want to associate with the output
5. Repeat the process for the remaining buttons
6. Test by again pressing each PROG button in turn and checking that the red LED on the IR Switch lights and that the output is activated

You can retrain or change the codes as many times as you want. The IR Switch stores the codes in permanent memory, and will not lose the settings if power is removed.

