

The iVAC Pro System Programming Switches

There are 6 programming switches, labelled 1,2,3,4,5,6. They may be referred to as Switches 1 and 2 or as S1 and S2. The labels mean the same thing. In general electronics language, the S usually means "Switch". So switch 1 is the same as S1.

Switches 1 and 2 (S1 and S2) in every iVAC component are the System Address switches and they have to be set to the same positions in every iVAC component in the same dust collection system. You can have up to 4 separate dust collection systems in the same shop, all independent of each other, and the System Address is how iVAC knows which components are on which dust collection system.

In all the Pro Tool modules, switches 4, 5 and 6 (S4, S5 and S6) are used to set the Tool Address. S3 is not used at all. It is completely non functional.

In the Pro Remote S3, S4 and S5 are used to set the Tool Address and S6 is the non functional switch.

In all the Pro Switches there is no Tool Address to set. The Pro Switches recognize every Tool Address. This is how they keep track of which of your power tools is running and needs the dust collector to be on. In the S115 ... and S24020NA versions of the Pro Switch, S5 and S6 are used to set the turn off delay time. S3 and S4 have no function. If your S115... Pro Switch has the Minimum Run Time (MRT) option, S5 and S6 control the minimum run time and turn off delay times. There is a chart on the back of a Pro Switch that has the MRT option that shows the available combinations and how to set the programming switches to make your choice.

In the iVAC Pro Switch MSC, switch 4 controls the selection of the the MRT option. If switch 4 is ON then the MRT option is selected and switches 5 & 6 control the selection of the minimum run time and turn off delay time. If switch 4 is OFF switches 5 & 6 control the turn off delay times and there is no minimum run time selection. Switch 3 in the Pro Switch MSC has a special function that delays restart of the dust collector for 30 seconds after the dust collector has been turned off. This is a requirement for some dust collectors with variable frequency drives.

(Note that the Pro Switch MSC is available in 3 variants, depending on your dust collector, and it is available in North America only for dust collectors with low voltage control systems. It is not UL approved for use with dust collectors whose control systems require an operating voltage of 50 volts or more. If you think you need a Pro Switch MSC please call iVAC Technical Support before you purchase.)

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In the Pro Blast Gates S1 and S2 set the System Address, S3 is used to set the close delay time and S4, S5 and S6 are used to set the Tool Address. The Pro Blast Gates use the System Address and Tool Address to know when it is their tool that is being turned on or off so the gate should open or close. If you have the tool address of your blast gate set to 1 (S4 ON, S5 and S6 OFF) you may have to set S3 to ON (Close delay = 2 seconds) for the blast gate to work properly. For all tool addresses other than 1 you can set S3 to either ON or OFF, depending on what close delay time you want to use.