WatchNET Access Integrated Security Management Software

WAC Controller DIP Switch Settings

Revision History
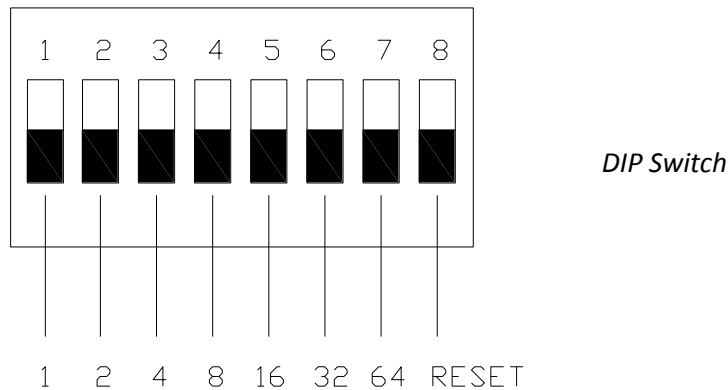
Revision	Date	Author	Description of Changes
1.0	09/05/2013	Pradeep Kumaran	Manual Created.
2.0	06/22/2015	Peter Punzalan	Updated DIP Switch 2 Details

Controller Dipswitches

Both the V40 and V45 controllers have Dip Switches for the controller configuration.

Dip Switch 1

S1 or Dip Switch 1 is an 8 way Dip Switch located at the top of the PCB in the center. This switch is used for two functions, the controllers RS-485 address and for setting the initialization. When using RS-485 each controller must have its own ID selected by DIP Switches S1-S7. A "0" address is invalid. The 1st 7 switches of Dip Switch 1 are used for setting the RS-485 ID address using Binary. When the switch is ON this means a 1, when it is OFF it means a 0. The 1st position is a 1, the 2nd a 2, the 3rd a 4, the 4th an 8, the 5th a 16, the 6th a 32 and the 7th a 64. So if all these 7 switches are on it means an address of: 1 + 2+ 4+ 8+ 16+ 32+ 64 = 127. So the largest address is "111111" in Binary which is 127 in decimal (figures 3-8-1-1 & 3-8-1-2)

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  1   2   3   4   5   6   7   8

  1   2   4   8  16  32  64  RESET
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DIP Switch

Switches 1 to 7 = RS-485 address,   Sw 8 = Cold/Hot Reset

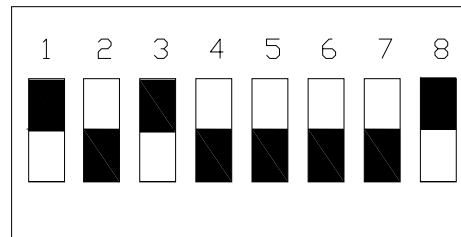| ID \ DIP	1	2	3	4	5	6	7	8	
1	ON							Status	Reset
2		ON						ON	COLD
3	ON	ON							
......								OFF	HOT
127	ON	ON	ON	ON	ON	ON	ON		

DIP Switch 1 (RS-485)

Settings

Note: You must have a RS-485 address of at least 1

Switch 8 of DIP Switch 1 is used when resetting the controller and selects either a "COLD" or a "HOT" reset. A "HOT" reset (switch 8 off) restarts the program, a "COLD" reset (switch 8 on) clears all memory and restarts the program (figure 5-15-1-2).

Dip Switch 2

S2 or Dip Switch 2 is the 2nd dip switch on the controllers and this is located on the bottom half of the PCB. The S2 is used to control the TCP/IP communication settings and the diagram below shows the dip switch settings for normal use.

DIP Switch 2

The functions for Dip Switch 2 are detailed below

Switch	State	Function Description	Details
DIP 1	OFF	Write Protect	Parameters including Password, IP, Host IP cannot be changed.
	ON	Configurable, Writeable	All parameters can be changed.
DIP 2	OFF	Normal	
	ON	Force the IP of the converter to the default IP of 10.1.1.10	When the IP address of the controller is not known, switch DIP2 to on. The IP address will default to 10.0.0.10, and the user name & password will default to system & system
DIP 3	OFF	ARM_JTAG	Burning Firmware only
	ON	Normal	Normally ON.
DIP 4	OFF	Reserved	Should be OFF
	ON		
DIP 5	OFF		Should be OFF
	ON		
DIP 6	OFF		Should be OFF
	ON		
DIP 7	OFF	It is only for V4.5 pcb version.	Normal (Disable Supervision of inputs)
	ON		Enable Supervision of inputs (EOL1K resistor needed)
DIP 8	OFF	Disable WDT (Watchdog)	Watchdog function must be off when updating the panel through RS232/422 or 485
	ON	Enable WDT	Normally On for internal memory retention

The Lift Controller and the Input/output Controller have a 2 and 4 position dip switch for the TCP/IP instead of the 8 position switches on the above door controllers. However the 1st 2nd and last positions on the respective dip switches are the same as the diagram above.