## PRODUCT NAME

AS-I Top Valve Controller (ALSD400C2P2AS2-42EA)

DESCRIPTION OF THE PRODUCT

The ALSD400C2P2AS2-42EA series ASI flameproof top valve controller is an ASi Electric Pneumatic valve controller which can sense, operate the on/off valve position by air and communicate with ASI master (up to 3.0/M4) and PC based on AS-I Protocol. The working air pressure is 2-8Bar.
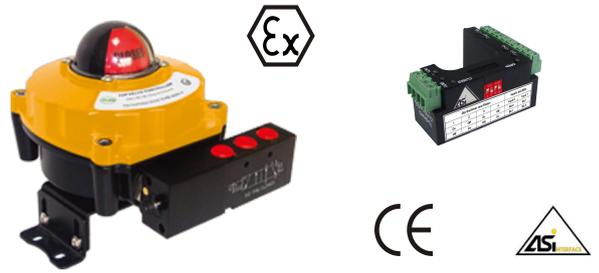
SPECIFICATIONS AND TECHNICAL DATA

Enclosure	Die-casting aluminum: O-ring sealed
Coating	Dichromate conversion with polyester powder coating
Environment	Type 4, 4X, IP66
Area Classification	NEPSI: Ex d IIC T6 Gb
Fasteners and Shaft	Stainless steel
Conduit Entries	2 - 3/4" BSPP, NPT or M20-1.5
Spool Valve (P2)	5/2 anodized aluminum body, Cv=1.4, 1/4"BSPP or NPT
Mounting Bracket	MB – 3.4: 30 x 80, 130 H:20, 30 (Carbon steel)
Ambient Temperature	-25℃-85℃

Data of ASi Sensor and Communication Module (AS2-42EA)

AS-Interface Profile		S-7.A.*.E(* = 0 for A address; * = 8 for B address)
Address		1A-31A, 1B-31B(62), Initial Addres 0A
Inputs	**0**	Internal Hall sensor (Upper position)
	1	Internal Hall sensor (Nether position)
	2	2×SPST Dry Contacts
	3	
Outputs	**1**	24VDC±10%, <1.5W
	2	24VDC±10%, <1.5W

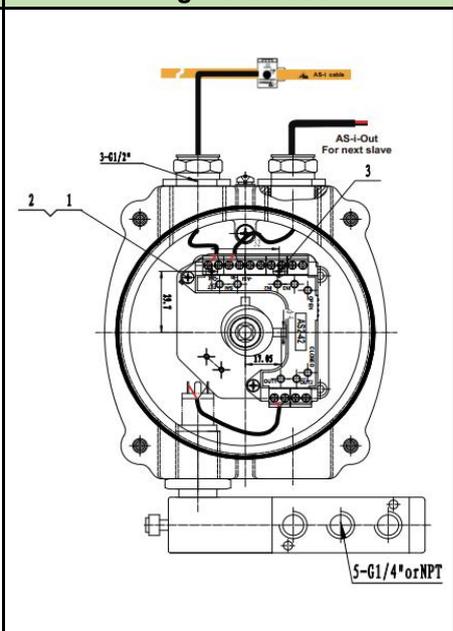| **Current Consumption(mA)**		Without inputs and outputs actived: 18.30±3%	
Input 0 enabled	20.50±3%	Input 0,1,2,3 enabled	25.65±3%
Input 0,1 enabled	21.65±3%	One output enabled	Increase the coil current (Max:1.25W)
Input 0,1,2 enabled	23.65±3%	Two output enabled	Increase the coil current (Max:2x1.25W)
Operating Voltage		29.5-31.6 VDC AS-INTERFACE	

Data Locations and Dip Switch' Status*

Dip Switch' Status 1 (On Off On Off)

		Data Locations						
	INPUTS				OUTPUTS			
	0	**1**	**2**	**3**	**0**	**1**	**-**	**-**
Without input or output actived	0	0	0	0	0	0		
Input 0 actived (Upper, Closed valve)	1	0	0	0				
Input 1 actived (Nether, Opened valve)	0	1	0	0				
Input 2 actived	0	0	1	0				
Input 3 actived	0	0	0	1				
Output 1 actived					1	0		
Output 2 actived					0	1		

Dip Switch' Status 2 (Off On Off On)

		Data Locations						
	INPUTS				OUTPUTS			
	0	**1**	**2**	**3**	**0**	**1**	**-**	**-**
Without input or output actived	0	0	0	0	0	0		
Input 0 actived (Upper, Openned valve)	0	1	0	0				
Input 1 actived (Nether, Closed valve)	1	0	0	0				
Input 2 actived	0	0	1	0				
Input 3 actived	0	0	0	1				
Output 1 actived					1	0		
Output 2 actived					0	1		

*Dip Switch' Status 1 is standard and set up by manufactory.
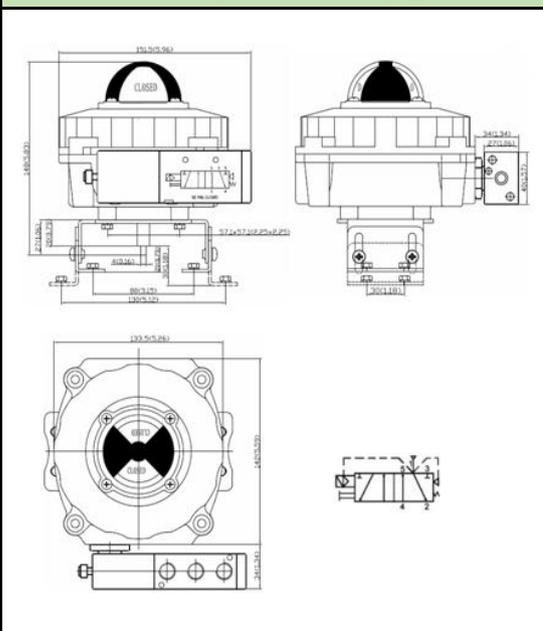
DRAWING AND DIMENSION	Wiring Introduction	Inputs / Outputs and LEDs