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PSYN-400 Batch Controller



PSYN-400 Batch controller is a kind of intelligent control instrument adopting PLC technology of SIMENZ. It has features of highlight LCD display with back light...

Description

- General
- Main Technical Datum
- Installation Type
- Sketch Map
- Model Description

General

PSYN-400 Batch controller is a kind of intelligent control instrument adopting PLC technology of SIMENZ. It has features of highlight LCD display with back light, compact structure, high stability, temperature and pressure compensation, password protection and intelligent read-in & read-out IC Card. It works matching with flowmeter and valves to achieve auto-loading/unloading oil truck/tanker by control the pump or valve. It also can be matched with upper industrial computer to buildup auto loading/unloading control system, while the upper industry computer has the functions of monitor, control, report, query and print and so on.

Main Technical Datum:

1. Flow signal input:
 - Voltage pulse with Two/Three wire system: Range: DC12V~DC24V;
 - Signal Frequency : (1~20k) Hz
2. Temperature signal input:
 - Temperature transmitter with Two/Three wire system and DC+24V, (4~20) mA, can set the temperature bound.
3. Pressure signal input:
 - Pressure transmitter with Two/Three wire system and DC+24V, (4~20) mA, can set the pressure bound.
4. Pump control signal output:
 - Dry contact control, passive and normally open single-contact control, passive and normally open double-contact control.
5. Valve control signal output:
 - Control valve: pneumatic or electric actuator, 4~20mA output control.
 - Electro-hydraulic valve: DC24V or AC220V on-off output control.
 - Pneumatic valve on both ends: DC24V or AC220V on-off output control, can set delay time.
 - Electric switch valve: DC24V or AC220V on-off output control, unadjustable.

6. Grounding overflow signal input detection: on-off output (design the detection circuit inside device)

7. Other technical parameter:

- Electrical Interface: G3/4
- Communication: RS-485 Standard Interface
- Max. Counter: 9999999 (Cycling counting)
- Ration Range: 0.01~9.99999
- Pulse Equivalent Range: 0.0001~99.9999
- Density Set Range : 0.001~9.9999
- Time Interval (Load truck, ship or barrel): 1~999 Second
- Batch Number: 1~999
- Datum Save: Power-Off Datum Auto-save
- Power: AC220V(±15%)、50Hz or 24V DC
- Ambient Temp.: -20°C~+50°C ;
- System Accuracy: ≥0.02%

Installation Type: Hanging type and Carbine type



Single Channel

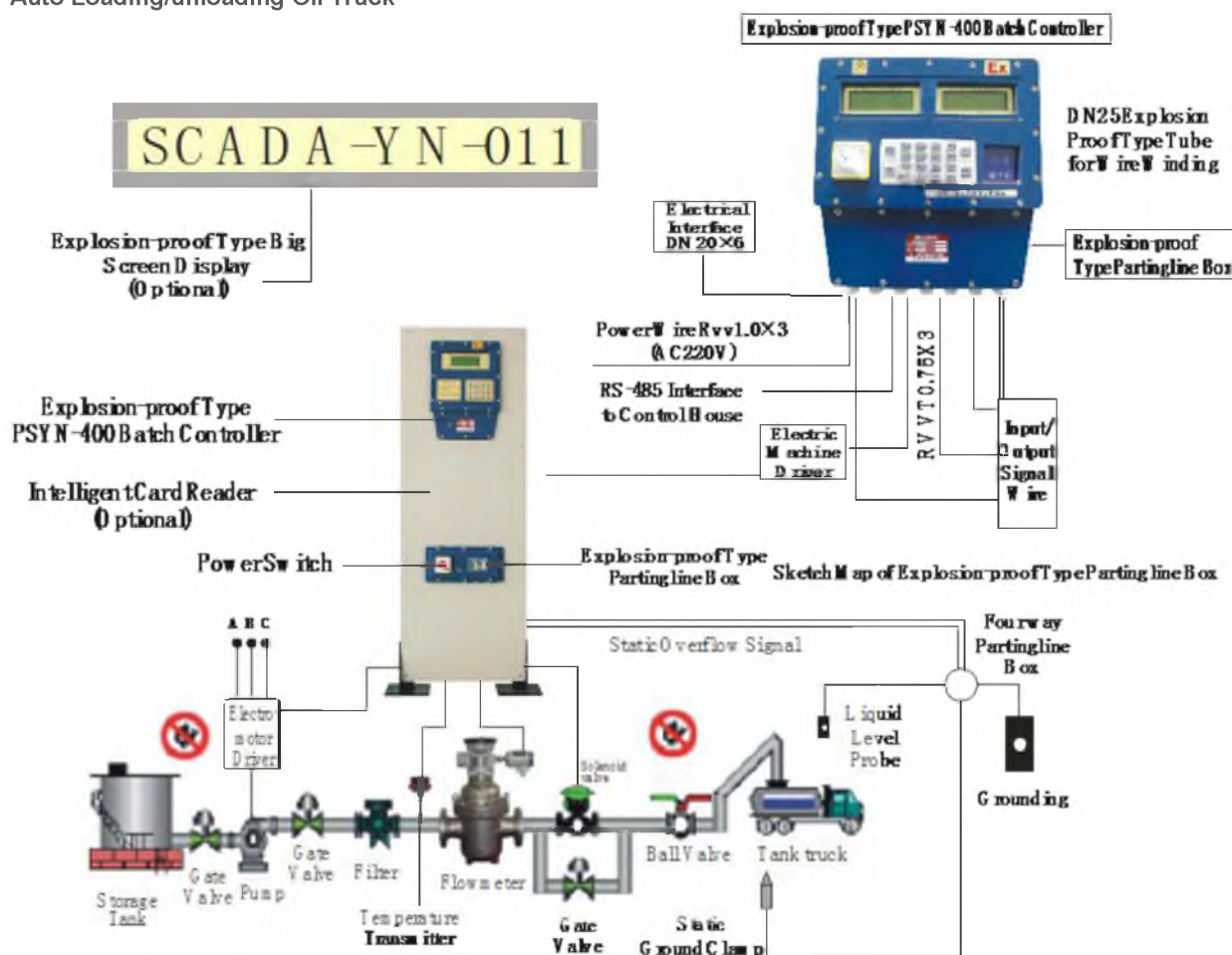


Double Channel



Carbine Type Batch Controller

Sketch Map for Application of Auto Loading/unloading Oil Truck



Model Description:

		1 Type	2 Loading Arm No.	3 Structure	4 Power	5 Pulse Signal	6 Temperature	7 Pressure	8 Status Overflow Alarm	9 Valve type	10 Valve power supply	11 Pump control signal	12 Automatic control	13 IC Card	14 Big Screen	Note	
PSY N-400																Description	
	J															Explosion-proof	
			1														Channel1
			2														Channel2
			3														Channel3
			4														Channel4
				B													Hanging type
				G													Cabinet type
					1												DC 24V
					2												AC 220V
						A											DC 24V pulseDC 24V power supply
						E											DC 24V pulseAC 220V power supply
							1										NO
							2										4-20mA
							3										pt100
								1									NO
								2									4-20mA
									Y								YES
									N								NO
										1							NO
										2							Electro-hydraulic valve (DC 24V control)
										3							Control valve (4-20mA control)
										4							Others
											1						NO
											2						DC 24V
											3						AC 220V
												1					NO Control
												2					Passive and normally open single contact
											3					Passive contact with normally open and close	
											4					Contact rich between normally open and close	
												1				NO	
												2				RS-485	
													1			NO	
													2			ID Card	
														1		NO	
														2		YES	

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