hydraut

User Manual

US-DAS2

Setting Parameters

BUTTON

▲ : Up

▼ : Down

SET: Confirm

1. Long press the button "SET" for 2 seconds, get into parameters list.
2. Short press ▲or▼ to change the current parameter, until you find the parameter you want .
3. Short press "SET" , get into parameter value interface.
4. Adjust the value by ▲or▼。
5. Short press "SET" to return to parameters list。
6. Find the parameter PSR (Save parameter) , long press ▲ until the Value >5 , all parameters save success。
7. Long press "SET" to return to default interface。

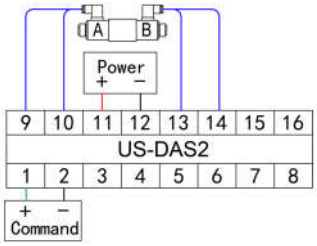
Technical data

Supply voltage	8-32 VDC
Command input	±10V, 0-5V, 0-10V, 4-20 mA
Output Dither frequency	Dual 0-3 A 50-450Hz
Ramp time	0-99.9 second
Reference voltage	5V
Ambient temperature	-40~70 ℃

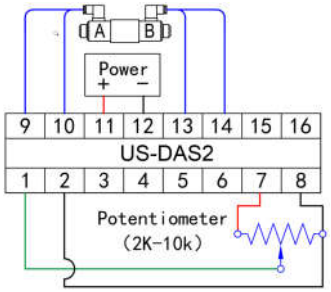
Terminal assignment

PIN	Signal	Specification
1	CMD+	Analog Input +
2	CMD-	Analog Input -
3/4/5	N.C.	-
6	ENA	-
7	VREF_5V	Reference voltage 5V
8	VREF_0V	Reference voltage 0V
9	SOL_A+	Solenoid A+
10	SOL_A-	Solenoid A-
11	PWR+	Power supply +
12	PWR-	Power supply -
13	SOL_B+	Solenoid B+
14	SOL_B-	Solenoid B-
15	RS485_A	-
16	RS485_B	-

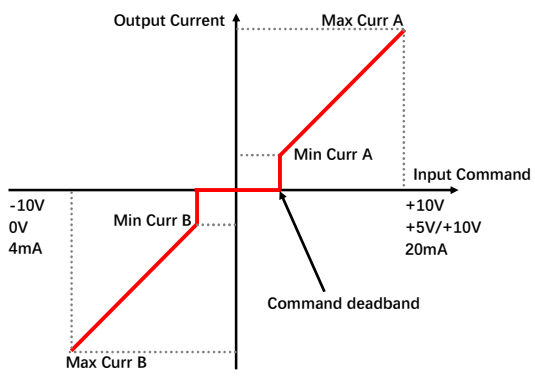
Typical wiring1: External analog signal



Typical wiring2: Potentiometer



Solenoid current vs Command



Parameters List

Display	Name	Default value	Range	Unit	Explanation
AIH	Solenoid A Max Current	0.80	0.20-3.00	Amp	Step: 0.01 Amp
AIL	Solenoid A Min Current	0.20	0.00-1.00	Amp	Step: 0.01 Amp
ArU	A Ramp Up	0.0	0.0-99.9	S	Step: 0.1 Second
Ard	A Ramp Down	0.0	0.0-99.9	S	Step: 0.1 Second
bIH	Solenoid B Max Current	0.80	0.20-3.00	Amp	Step: 0.01 Amp
bIL	Solenoid B Min Current	0.20	0.00-1.00	Amp	Step: 0.01 Amp
brU	B Ramp Up	0.0	0.0-99.9	S	Step: 0.1 Second
brd	B Ramp Down	0.0	0.0-99.9	S	Step: 0.1 Second
PAI	Input	10	5 10 420 -10	-	5: 0-5V 10: 0-10V 420: 4-20mA -10: -10V~+10V
PdF	Dither frequency	150	50-450	Hz	Step: 5Hz
Pcd	Command Deadband	2	0-5	%	Step: 1%
PdS	Display Mode	0	0 1	-	0: Output current 1: Command input
PSA	Save Parameters	0	0-5	-	>5, Save parameters
PrF	Factory setting	0	0-5	-	>5, Default value
PcL	Clear error code	0	0-5	-	>5, Clear error code

Error Message

Code	Explanation	Clean error
E10	4-20mA wire break	Error code clear automatic after fault clearing
E11	4-20mA over Load	Error code clear automatic after fault clearing
E30	Solenoid A wire break	Error code clear automatic after fault clearing
E31	Solenoid A over current	After fault clearing, you should clear the error code by set the parameter "PcL" >5.
E40	Solenoid B wire break	Error code clear automatic after fault clearing
E41	Solenoid B over current	After fault clearing, you should clear the error code by set the parameter "PcL" >5.

Dimensions