

H1 serisi invertör tanıtımı



2. H1 VFD genel bakış

Folinn Electric, invertörlerin Ar-Ge, üretim ve satışında 20 yılı aşkın deneyime sahip bir endüstriyel kontrol şirkettir. Alçak gerilim invertör ürünleri sırasıyla DZB, BD330, BD600 ve diğer ürünlere sahiptir ve mevcut ürünler mevcut H1 serisi kompakt invertörlere dönüşmüştür.



Ürün görünümü tanıtımı



Easy detachable fan design

easy to replace, easy to clean, long life



Function Card

Press to remove it easily and can replace it with customized function card

⚠ Plug and unplug with power is strictly prohibited



Abundant display

LED keypad, LCD keypad



External operation panel

parameter copy, fault diagnosis, operation optimization, cloud connection



Independent air duct

Reliable heat dissipation
high protection level



Customized terminal

Customization cost rationalization
according to industry characteristics
and customer demands



European terminal

no need special tools,
easy connection, save time

3, H1 çoklu motor kullanımı

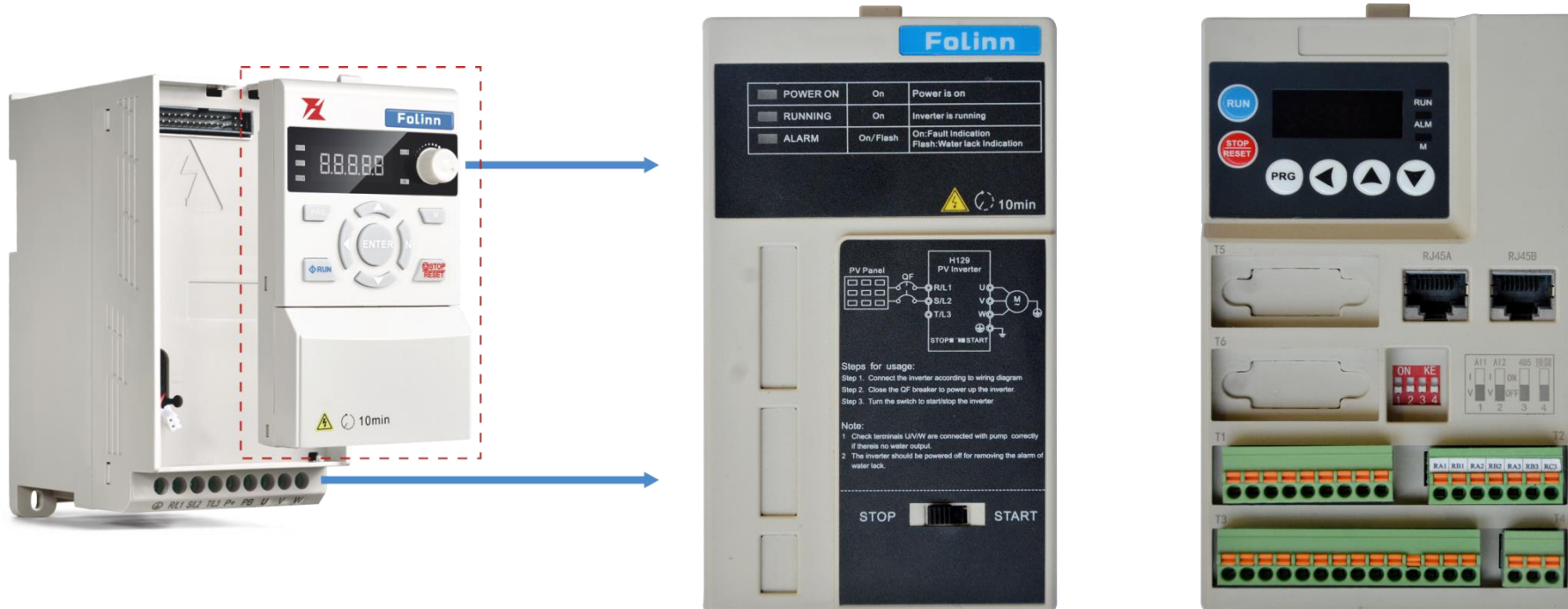


Bir makinenin birden fazla amacı vardır:

Bu ürün, V/F kontrolü, hız sensörsüz vektör kontrolü vb. gibi çeşitli kontrol yöntemlerine sahiptir. Asenkron motorlar, sabit mıknatıslı senkron motorlar ve tek fazlı motorlar için uygundur.

4, Çoklu keypat seçeneği

H1 serisi inverter paneli, çeşitli endüstrilerin işlevsel ihtiyaçlarını derinlemesine birleştirir. Farklı paneller, belirli endüstri uygulamalarını karşılamak için farklı fonksiyonel terminallere sahiptir. Bu nedenle müşteriler, kendi ihtiyaçlarına göre farklı konfigürasyonlara sahip çok fonksiyonlu paneller seçmelidir.

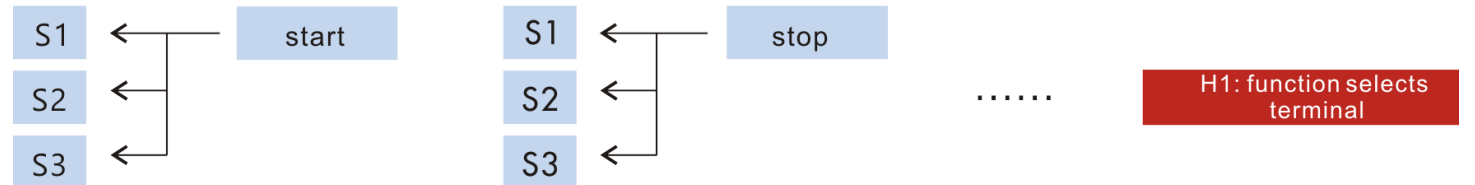
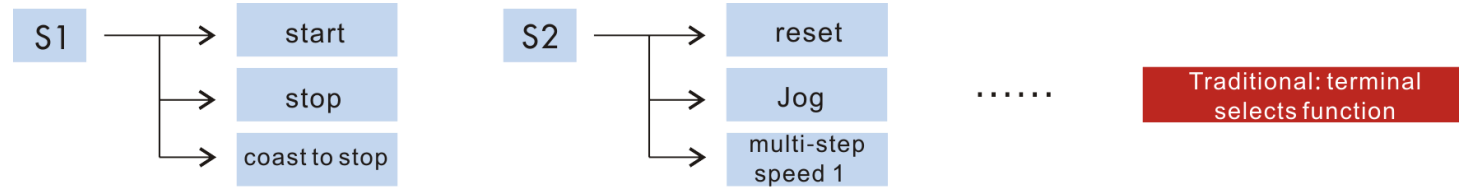
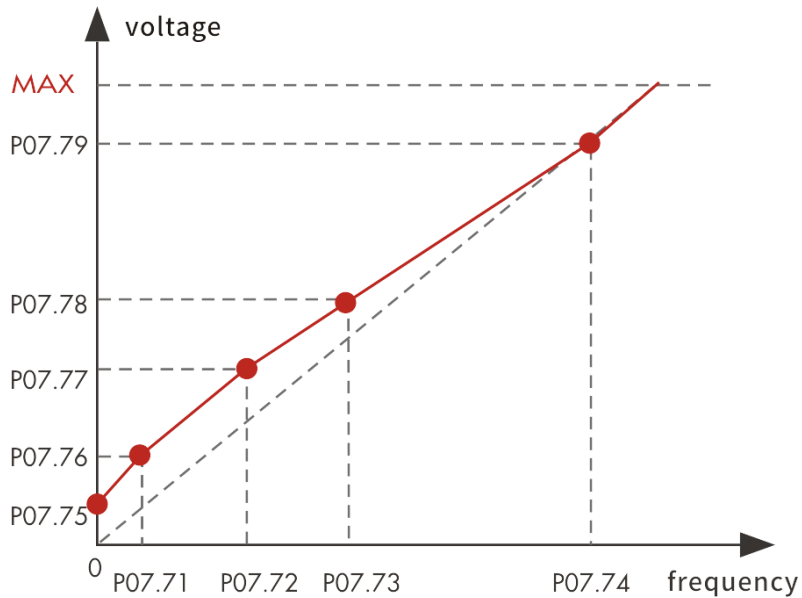


5, The easy to use of H1

H1 serisi invertörler, süper kendini uyarılama yeteneğine sahiptir ve çeşitli endüstri uygulama makro parametrelerine sahiptir. Yerleşik güçlü ve esnek terminal ayar işlevi ve yerleşik PLC işlevi, çoğu endüstri uygulamasını karşılayabilir.

Uyarlanabilir vektör kontrol teknolojisini kullanan özel algoritma, VF'nin rahatlığını sağlar.

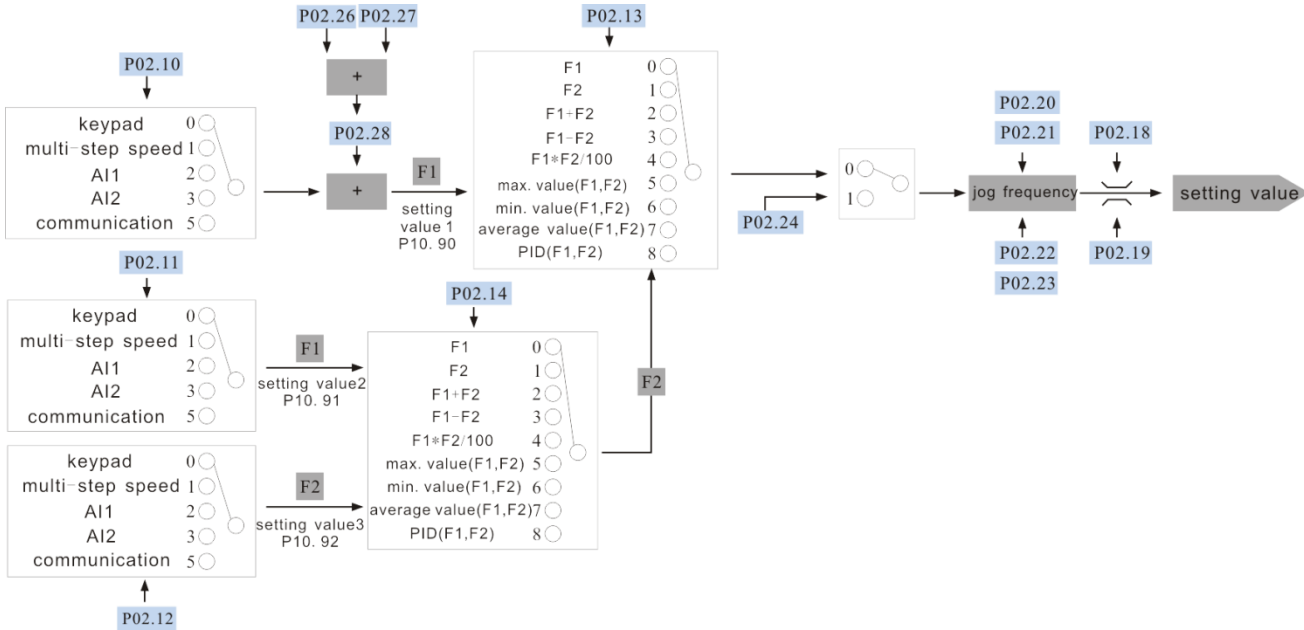
Kullanımı basit: terminalin kaynağını, terminalin numarasını ve tipini kaydederek, gerekli işleve göre seçin.



5, Kullanım kolaylığı

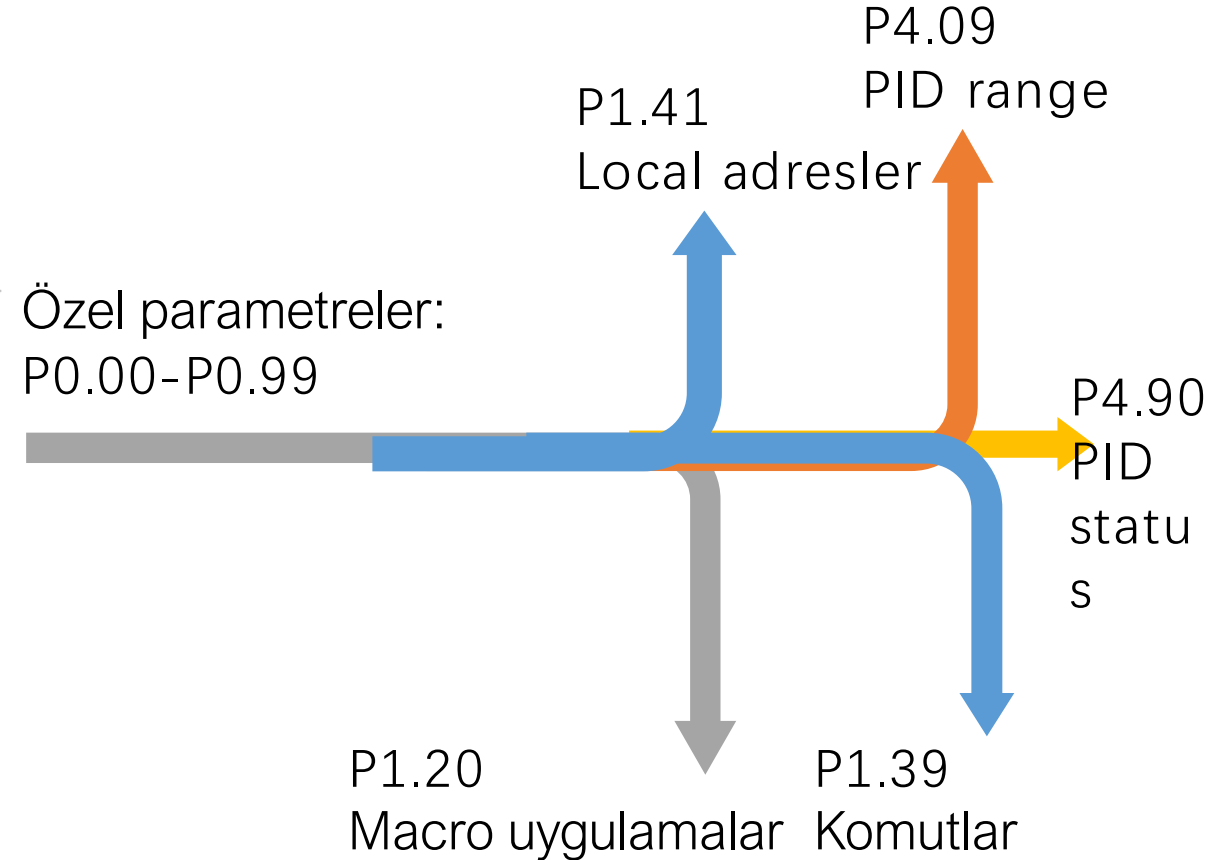
Esnek fonksiyon:

Ayar değeri ve komut kombinasyonu esnektir ve farklı uygulamalarla kolayca eşleştirilebilir.



Hızlı parametre ayar fonksiyonu:

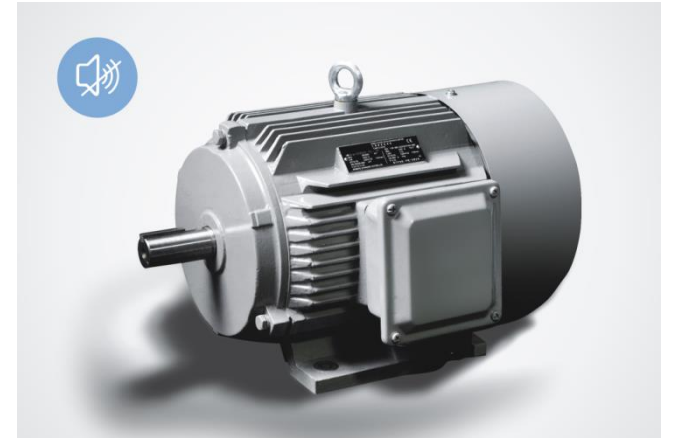
Özel parametreler P0.00-P0.99 toplam 100 parametredir. Müşteriler, parametrelerin özel işlevini gerçekleştirmek için ilgili parametreleri ortak parametrelerine ve alışkanlıklarına göre ayarlayabilir.



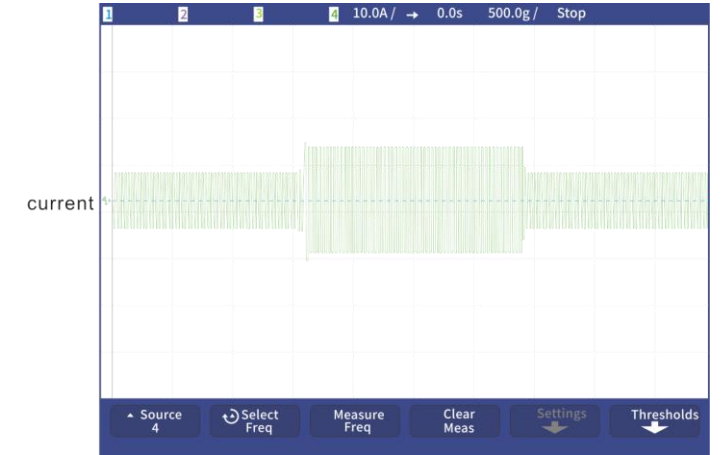
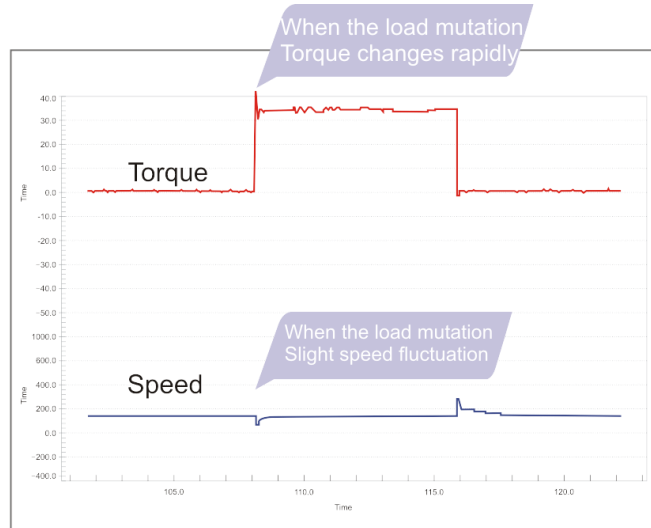
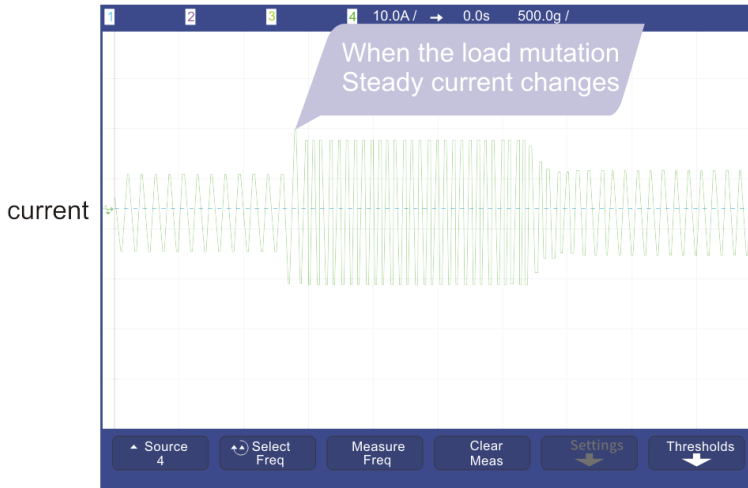
6、 H1 performans özellikleri

H1 serisi inverter, uyarlamalı vektör kontrol algoritmasında piyasadaki çoğu standart motorun %80'ine uyum sağlayabilir.

Hızlı akım kontrolü:
Yüksek dinamik tepkime hızı (15ms), hızlı başlangıç ve küçük dalgalanma hızı



Yüksek tetikleme frekansı:
Maximum 16KHz, motor daha sessiz



Geniş aralıklı vektör kontrolü:
Endüktif olmayan vektör kontrolünün frekans aralığı, 1000Hz kadar motorun yüksek performanslı çalışmasını sağlayabilir

The waveform of current, torque and speed when add load suddenly and unload with 2Hz 100% rated load

7、 H1 Yapısı ve fonksiyonel özellikleri



Bağımsız hava kanalı:
Akışkan bir hava kanalı sayesinde soğutma en üst düzeydedir, bu da çevresel uyulanabilirliği artırır.

Üçü bir arada klavye



Hızlı koruma:
Kısa devre hatası, giriş/çıkış faz kaybı, aşırı yük, sızıntı vb., invertörü ve motoru kapsamlı bir şekilde korur

9、 Uygulama özellikleri



H1 standart fonksiyon kartı

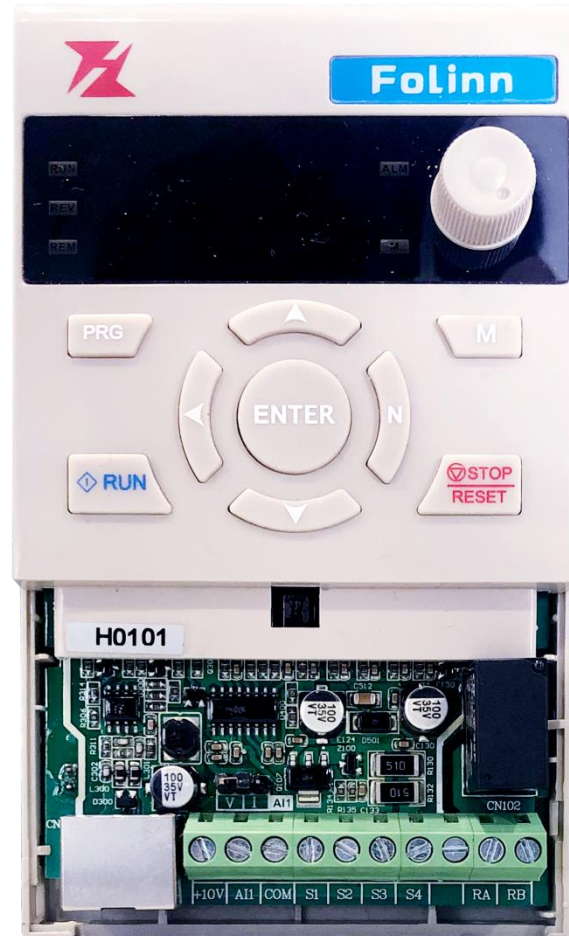


Yüksek maliyet performansı

	H0100	H0101	H0110	H0120	H0200 (STO)	H0300	H0310	H0320
Digital input	2	4	5	10	10		4	5
Digital input								
Relay output	1	1	2	3	3		1	1
Analog input	1	1	1	1	2		2	1
Analog output			2	1	2		2	2
Power	10V	10V	10V	10V+12V	10V+12V		10V+12V	10V
MODBUS	1	1	1	1	1		1	1
STO					1			
Digital Display	1	1	1	1	1		1	1
Potentiometer	1	1	1	1			1	1
Switch						1	2	2

10、Keypat 1

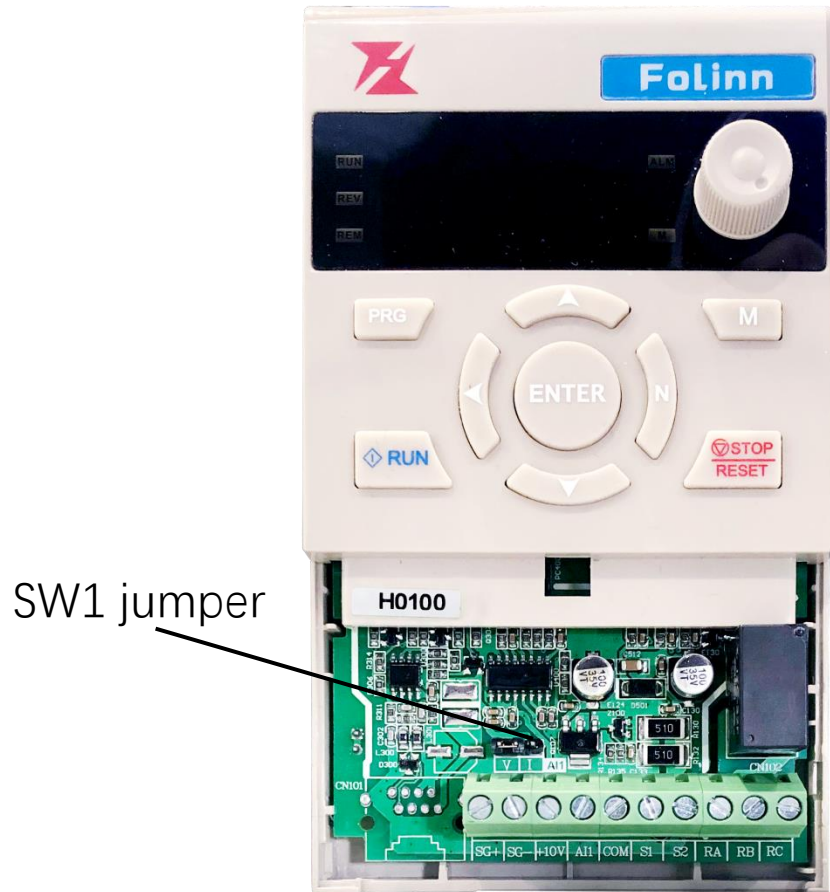
H0101 fonksiyon kartı



Terminal function	Terminal name	Terminal description
10V power supply	+10V	Provide +10V power supply to the outside
Analog input	AI1 (1 way)	0~10V or 0~20mA Select by SW1 jumper
Digital and analog ground terminal	COM	
Digital input terminal	S1~S4 (4 way)	
Reserved	N.C.	
Relay output	RA, RB	Normally open
485 communication port	RJ45	External keyboard or connect to host computer

10、Keypat 2

H0100 fonksiyon kartı

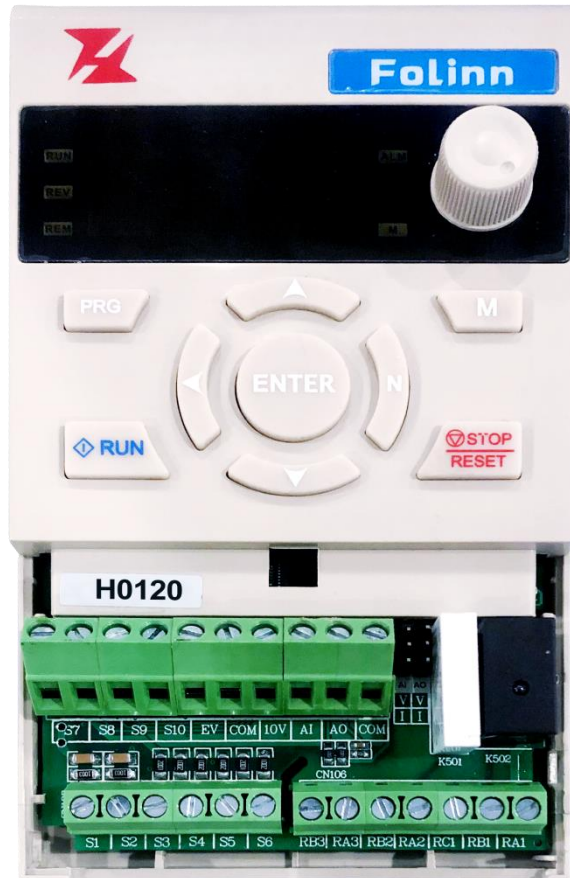


SW1 jumper

Terminal function	Terminal name	Terminal description
485 communication port	SG+,SG-	connect to host computer
10V power supply	+10V	Provide +10V power supply to the outside
Analog input	AI1 (one)	0~10V or 0~20mA Select by SW1 jumper
Digital and analog ground terminal	COM	
Digital input terminal	S1~S2 (two)	
Relay output	RA, RB, RC	One normally open, one normally closed

10、Application case

H0120 function card

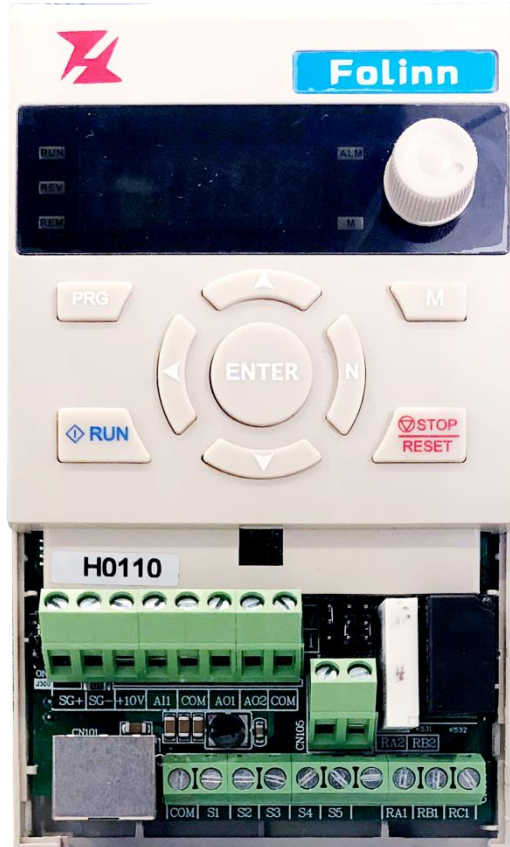


H0120 is currently successfully applied to the dedicated online cutting machine

Terminal function	Terminal name	Terminal description
10V power supply	+10V	Provide +10V power supply to the outside
12V power supply	+EV	Provide +12V power supply to the outside
Analog input	AI1 (1 way)	0~10V or 0~20mA Select by SW1 jumper
Analog output	AO1 (1 way)	0~10V or 0~20mA Select by SW2 jumper
Digital and analog ground terminal	COM	
Digital input terminal	S1~S8 (8 way)	
Digital input terminal & 485 communication terminal	S9~S10 (2 way)	S9, S10 are shared with communication terminals
Relay output Y1	RA1, RB1, RC1	One normally open, one normally closed
Relay output Y2	RA2, RB2	One normally open
Relay output Y3	RA3, RB3	normally open solid state relay

10、Application case

H0110 function card



H0110 is currently successfully applied to industrial washing machines

Terminal function	Terminal name	Terminal description
10V power supply	+10V	Provide +10V power supply to the outside
Analog input	AI1 (1 way)	0~10V or 0~20mA Select by SW1 jumper
Analog output	AO1 (1 way)	0~10V or 0~20mA Select by SW1 jumper
Analog output	AO2 (1 way)	0~10V or 0~20mA Select by SW1 jumper
Digital and analog ground terminal	COM	
Digital input terminal	S1~S5 (5 way)	
Relay output Y1	RA1, RB1, RC1	One normally open, one normally closed
Relay output Y2	RA2, RB2	One normally open
485 communication terminal	SG+, SG-	There are a total of 485 slave stations, and two master stations cannot be connected at the same time
485 communication network port	RJ45	

10、Application case

H0200 function card



H0200 is used in Europe with higher safety level

Terminal Function	Terminal Name	Terminal Description
Digital input terminal	S1~S9 (9 way)	
High-speed pulse input terminal	S10 (1 way)	
Digital and analog ground terminal	COM	
External power input terminal	OP	
10V power supply	+10V	Provide +10V power supply to the outside
12V power supply	+EV	Provide +12V power supply to the outside
Analog input 1	AI1 (1 way)	0~10V or 0~20mA Select by dial switch, dial down for voltage signal, dial up for current signal
Analog input 2	AI2 (1 way)	
Analog current output 1	AO1_I (1 way)	0~20mA
Analog voltage output 1	AO1_V (1 way)	0~10V
Analog current output 2	AO2_I (1 way)	0~20mA
Analog voltage output 2	AO2_V (1 way)	0~10V
Relay output Y1	RA1,RB1	One normally open
Relay output Y2	RA2,RB2	One normally open
Relay output Y3	RA3,RB3,RC3	One normally open、one normally closed
STO1	STI1	Safety emergency stop function
STO2	STI2	
12V power supply	+EV	

10、 Application case

H0300 function card

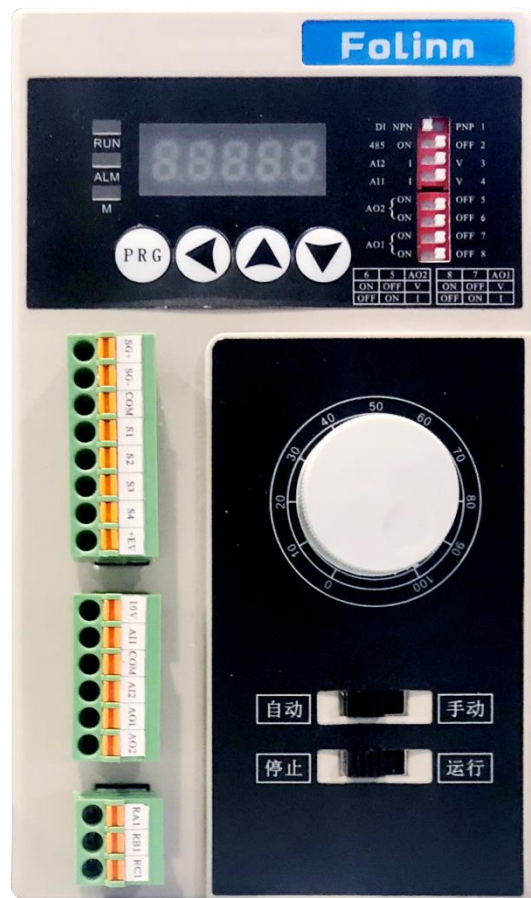


There are no input and output terminals, and it can run after power-on. The panel has only one-key start button.

H0300 panel was successfully applied to the special plane of the photovoltaic water pump industry.

10、Application case

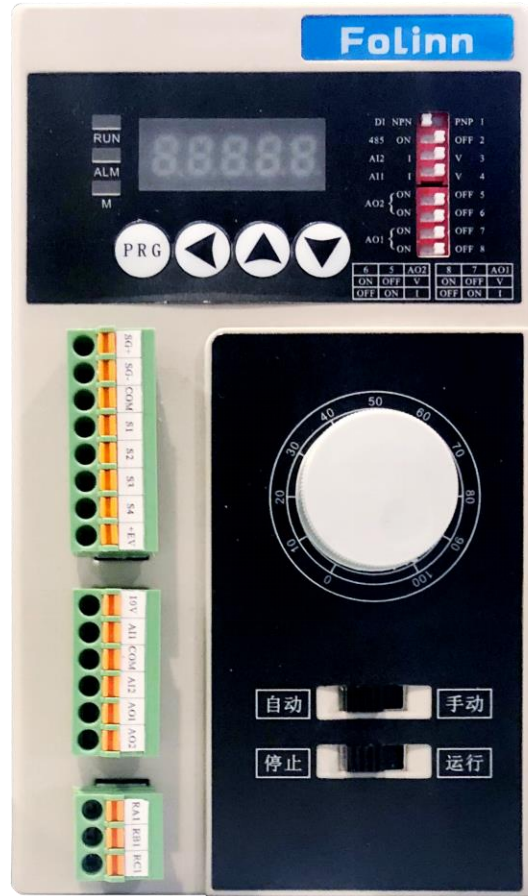
H0310 function card



Terminal function	Terminal name	Terminal description
485 communication terminal	SG+,SG-	connect to host computer
Digital and analog ground terminal	COM	
Digital input terminal	S1~S4 (4 way)	
10V power supply	+10V	Provide +10V power supply to the outside
12V power supply	+EV	Provide +12V power supply to the outside
Analog input 1	AI1 (1 way)	0~10V or 0~20mA Select by dial switch, dial down for voltage signal, dial up for current signal
Analog input 2	AI2 (1 way)	
Analog output 1	AO1 (1 way)	0~10V or 0~20mA Use the AO1 and AO2 dial switches to select left, dial 5 and 7 for current signal, dial 6 and 8 for voltage signal
Analog output 2	AO2 (1 way)	
Relay output 1	RA1,RB1,RC1	One normally open, one normally closed

10、Application case

H0320 function card



Terminal function	Terminal name	Terminal description
485 communication terminal	SG+,SG-	connect to host computer
Digital and analog ground terminal	COM	
Digital input terminal	S1~S5 (5 way)	
10V power supply	+10V	Provide +10V power supply to the outside
Analog input	AI1 (4 way)	0~10V or 0~20mA It is selected by the AI1 and AI2 dial switches, the left is the current signal, the right is the voltage signal
Analog output	AO1 (4 way)	0~10V or 0~20mA
Analog output	AO2 (4 way)	Use the AO1 and AO2 dial switches to select left, dial 5 and 7 for current signal, dial 6 and 8 for voltage signal
Relay output Y1	RA1,RB1,RC1	One normally open, one normally closed

LCD function card



The LCD function card is being moulded, and mass production is expected at the end of March.

Customize a new future

Thank you!

2020-12

