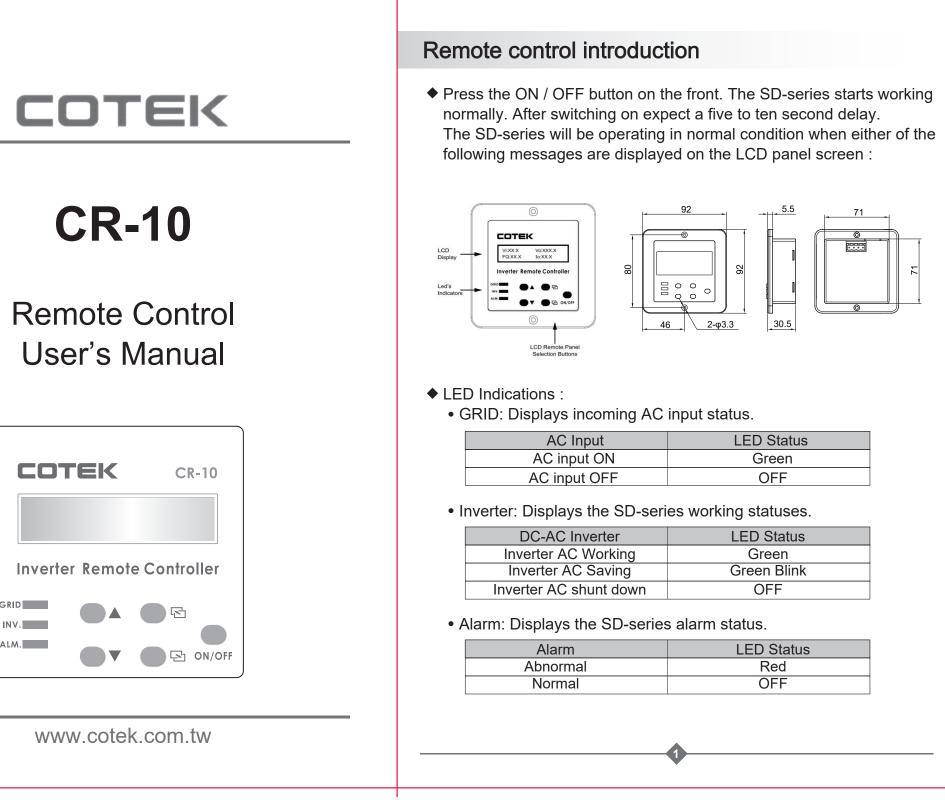
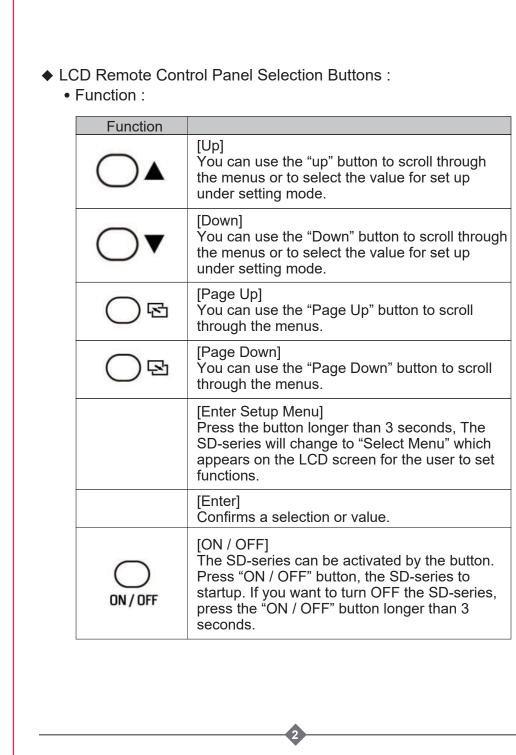


0





1. OVP Setting: Set the Over Voltage Protection (OVP) and shutdown.

2. OVP Recovery: When the DC input voltage is higher than the OVP

the set OVP value, the SD-series will automatically restart.

Default = 15 VDC @ 12V Model, 30 VDC @ 24V Model.

60 VDC @ 48V Model

3. UVP Setting: Setting Under Voltage Protection (UVP) and

Default= 10 VDC@ 12V Model, 20 VDC @ 24V Model.

40VDC @ 48V Model

Shut-down on the inverter operation.

setting, the SD-series shuts-down; once the input voltage falls below

Setting value range

15 VDC ~ 16 VDC

60 VDC ~ 64 VDC

Setting value range

13 VDC ~ 15 VDC

26 VDC ~ 30 VDC

52 VDC ~ 60 VDC

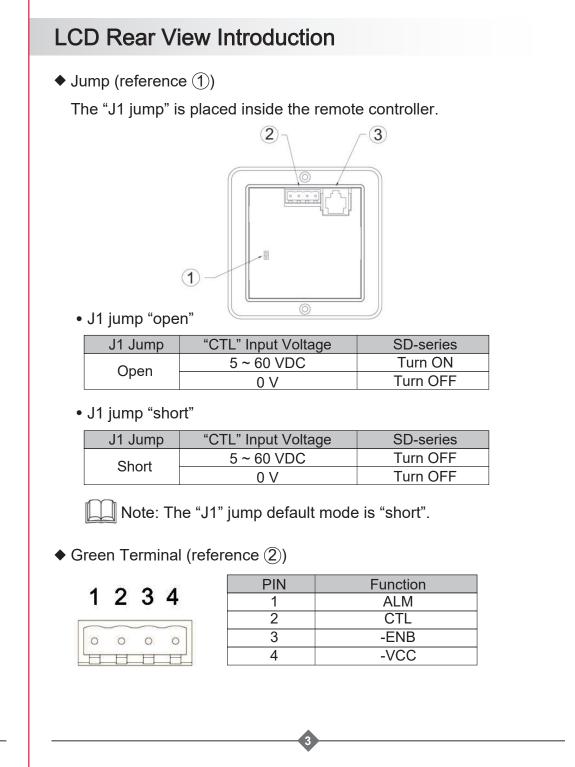
Setting value range

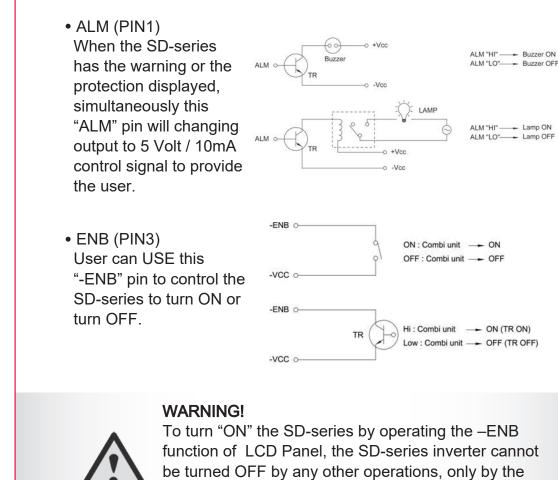
10 VDC ~ 12.5 VDC 20 VDC ~ 25VDC

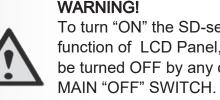
40 VDC ~ 50 VDC

Default = 16 VDC @ 12V Model, 32 VDC @ 24V Model.

64 VDC @ 48V Model







 -Vcc (PIN4) This is LCD remote control panel ground.



ALM-Battery is common ground.

◆ RJ-45 port, connect to inverter(reference ③)

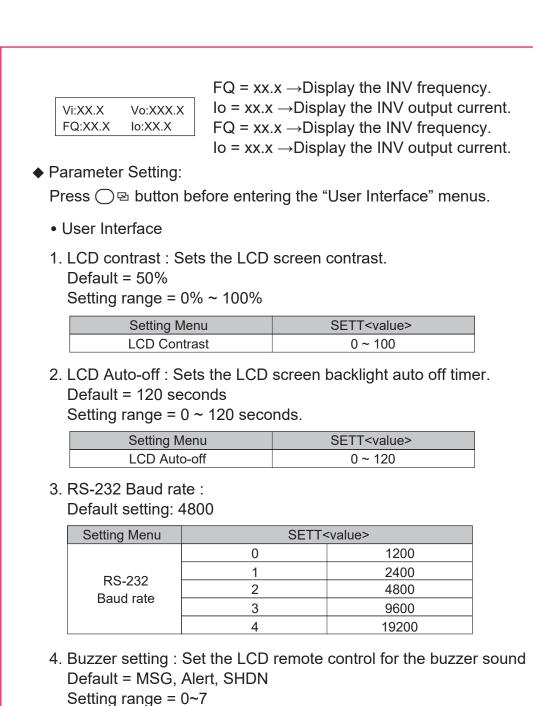
Display tree: Power Switch ON INVERTER Initialization.. Vi=xx.xxVo=xxx.x FQ=xx.x lo=xx.x O/P Parameter User Interface I/P Parameter O/P Voltage <a href="Function 5">Function 5></a> <Function 14> O/P Frequency OVP Recovery LCD Auto-off <Function 15> <Function 1> <Function 7> Sync Frequency RS232 Baudrate <Function 2> <Function 8> <Function 6> Buzzer Setting <Function 16> <Function 9> UV Alarm Alert Setting <Function 17> Saving Interval <a href="Function12">Function 12</a> Shut-down retry <Function 10> Bypass Relay Language

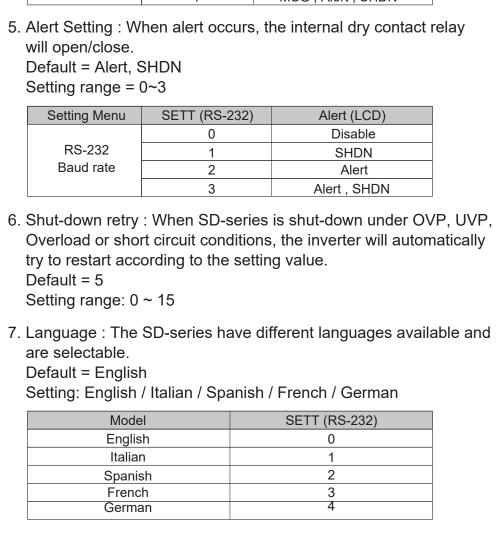
◆ Operation and Instructions Entering Setup Menu: Press ○ ⊌ button longer than 3 seconds. The SD-series enters the select Menus consisting of four layers:

(1) User Interface: (2)I/P Parameter: (3) O/P Parameter: (4)RST to Default:

◆ Select Menu Heading:

The manual is used to show the status of the running SD-series. The user can make selections by switching on ○▲ <UP> or → <DOWN>.





Setting Menu	SETT(RS-232)	Buzzer(Beep sound)
Buzzer Setting	0	Disable
	1	SHDN
	2	Alert
	3	Alert , SHDN
	4	MSG
	5	MSG , SHDN
	6	MSG , Alert
	7	MSG , Alert , SHDN

6. Shut-down retry: When SD-series is shut-down under OVP, UVP, Overload or short circuit conditions, the inverter will automatically

50VDC @ 48V Model		
Model	Setting value range	
12V	11.5 VDC ~ 13.5 VDC	
24V	23 VDC ~ 27 VDC	
48V	46 VDC ~ 54 VDC	
8		
	0	

4. UVP Recovery: When the DC input voltage is below the set UVP

the set UVP value, the SD-series will automatically restart.

Default= 12.5VDC @ 12V Model, 25 VDC @ 24V Model.

value, the SD-series shuts-down; Once the input voltage rises above

5. UV Alarm : Setting Under Voltage (UV) alarm. When the input voltage is lower than the set value, the SD-series will sound a "beep" to remind you that the unit is going to shut-down. In the meantime, the contact in the internal Dry Contact Relay will

open / close. Default= 10.5 VDC @ 12 V Model, 21 VDC @ 24 V Model. 42 VDC @ 48 V Model

v20 @ .e veue.				
Model	Setting value range			
12V	10.5 VDC ~ 13 VDC			
24V	21 VDC ~ 26 VDC			
48V	42 VDC ~ 52 VDC			

NOTE:
The value of the voltage set for the "UV Alarm" should be equal to or higher than the value set for "UVP" or else the unit will shut-down without any audible warning.

O/P Parameter

1. O/P Voltage: Setting the SD-series output voltage on the inverter operation. Default= 110 VAC @110 V Model, 230 VAC @ 230 V Model

Model	Setting value range
110V	97 VAC ~ 123 VAC
230V	194 VAC ~ 246 VAC

2. O/P Frequency: Setting the SD-series output frequency on the inverter operation. Default= 60 Hz @ 110 V Model, 50 Hz @ 230 V Model.

Setting value range 47 Hz ~ 63 Hz 47 Hz ~ 63 Hz

3. Sync Frequency: If a generator is distorted. The output waveform (too low frequency) is used as AC source, the allowed frequency window for the incoming AC power can be enlarged.

Example1: AC input = 230 VAC / 50Hz, User setting Value= 7Hz When the SD-series "Output frequency" is within The Range of 43 Hz~57 Hz, the internal transfer relay will close. When the output frequency is less than 43 Hz or more than 57 Hz, the internal transfer relay will still

Example2: When user setting value= Disable, the SD-series "Output frequency" is within the range of 47 Hz~63 Hz, the internal transfer relay will close. Default= 7Hz

4. Overload Alarm: Set the overload alarm. When the SD-series output power is higher than the set value, the SD-series will sound a "beep" to remind you that the unit is going to shut-down. At the same time, the internal Dry Contact Relay will open/close. Default= 102% Setting range= 50%~110%

5. Saving Level: Setting the SD-series to power saving to reduce consumption from the batteries. Default = 0

Setting range =  $3 \sim 7$ 

Setting Value	Status
0	Default
3	4%
4	5%
5	6%
6	7%
7	8%
	•

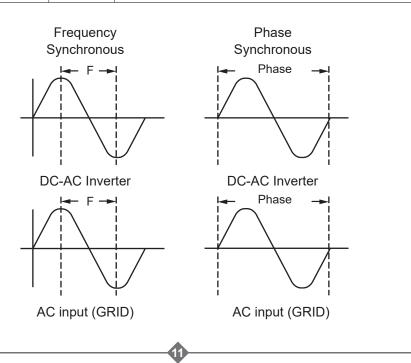
6. Saving Interval: When SD-series inverter enters power saving mode, it will detect AC Load periodically. Default = 2.0 Seconds

Setting range = 1.0S ~ 2.0S

If the AC Load is 3 times higher than Saving Level, inverter will recover and output normally to AC Load.

7. Bypass Relay: The setup is provided in one of the following two On-line Mode or Off-line Mode (Exacting, Normal, Haphazard). Default= Normal (Off line).

Model	SETT <value></value>	Setting value range
Haphazard	0	The transfer relay will switch "ON" or "OFF". Conformance to, phase and frequency synchronization will not be considered.
Normal	1	The transfer relay will be "ON" if AC input (Grid) power is available. The DC-AC inverter will remain synchronized and Phase with the incoming AC power (Grid). The relay will NOT switch off if the grid frequency is beyond the range set under Sync Frequency window.
Exacting	2	The transfer relay will switch "ON" or "OFF" based on conformance to, the Phase and Sync Frequency.
On-line	3	Always supplied by battery until which has run down (UVP) then switch to grid.



尺寸/印刷:891mm x 210mm,每頁均為A5 size/雙面印刷

摺頁方式:M字摺,如右圖

